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* * * * * * * * * * *   Welcome to STN International   * * * * * * * * * * *
* * * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * *

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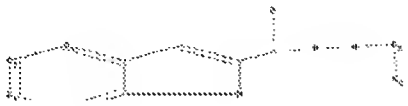

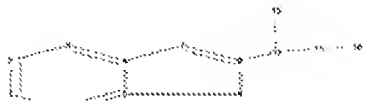

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chain nodes :
12  13  15  16  18  20
ring nodes :
1  2  3  4  5  6  7  8  9
chain bonds :
8-12  12-13  12-15  15-16  16-18  18-20
ring bonds :
1-2  1-6  2-3  3-4  4-5  4-7  5-6  5-9  7-8  8-9
exact/norm bonds :
1-2  1-6  2-3  3-4  4-5  4-7  5-6  5-9  7-8  8-9  8-12  12-13  12-15  15-16  16-18
18-20
isolated ring systems :
containing 1 :


G1:C,N

G2:C,S

G3:O,N

Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:Atom  8:Atom  9:Atom  12:CLASS
13:CLASS  15:CLASS  16:CLASS  18:CLASS  20:CLASS


=> s l1 sam
L2           42 SEA SSS SAM L1

=> s l1 full
L3          946 SEA SSS FUL L1

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L4           88 L3

=> s l4 and pd< mar 2003
      23754908 PD< MAR 2003
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                (PD<20030300)
L5          59 L4 AND PD< MAR 2003

=> dis l5 1-59 bib abs hitstr

L5   ANSWER 1 OF 59  CAPLUS  COPYRIGHT 2010 ACS on STN
AN   2008:492996  CAPLUS  Full-text
DN   148:472052
TI   Phenoxypropylamine compounds as %-HT reuptake inhibitors and their
     preparation, pharmaceutical compositions and use in the treatment of
     depression
IN   Nishiyama, Akira; Bougauchi, Masahiro; Kuroita, Takanobu; Minoguchi,
     Masanori; Morio, Yasunori; Kanzaki, Kouji
PA   Mitsubishi Pharma Corporation, Japan
SO   U.S. Pat. Appl. Publ., 162pp., Cont.-in-part of Appl. No.
     PCT/JP2000/03279.
     CODEN: USXXCO
DT   Patent
LA   English
FAN.CNT 2
     PATENT NO.          KIND   DATE        APPLICATION NO.         DATE
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PI   US 20020111358       A1    20020815    US 2001-990389          20011123 <--
     US 6720320           B2    20040413
     WO 2000071517        A1    20001130    WO 2000-JP3279          20000522 <--
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR,
             CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU,
             ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV,
             MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE,
             SG, SI, SK
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
             DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
             CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
     ZA 2001010137        A     20030225    ZA 2001-10137           20011210 <--
     US 20040138227       A1    20040715    US 2003-740418          20031222
     US 7196199           B2    20070327
PRAI JP 1999-142750       A     19990524
     JP 1999-166160       A     19990614
     JP 1999-277384       A     19990929
     JP 2000-18080        A     20000125
     WO 2000-JP3279       A2    20000522
     US 2001-990389       A3    20011123
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OS   CASREACT 148:472052; MARPAT 148:472052
GI
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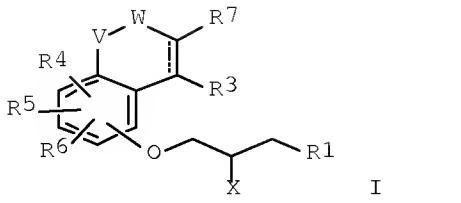

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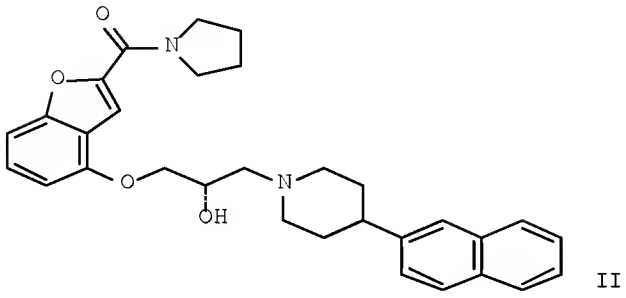


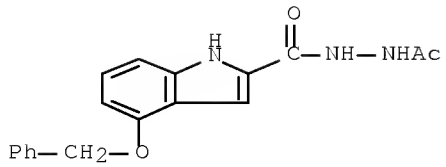
II

AB The invention relates to a phenoxypropylamine compound of the formula I wherein each symbol is as defined in the specification, an optically active compound thereof or a pharmaceutically acceptable salt thereof and hydrates thereof, which simultaneously show selective affinity for and antagonistic activity against 5-HT1A receptor, as well as 5-HT reuptake inhibitory activity, and can be used as antidepressants quick in expressing an anti-depressive effect. Compds. of formula I wherein dotted line is a single or double bond; X is H, OH, C1-6 alkoxy, acyloxy, and oxo; R1 is spiropiperidine, N-substituted piperazine, substituted piperidine and substituted tetrahydropyridine; provided that when R1 is N-substituted piperazine, X should not be H; R3 is H, C1-18 alkyl, and halo; V is CH2, O, S, and NH and derivs.; W is CH2 and CO; R7 is C1-4 hydroxyalkyl, acyl, (un)substituted (un)saturated heterocycle, (un)substituted fused heterocycle, C1-4 alkylsulfonyl, etc.; R4, R5, R6 are independently H, C1-18 alkyl, OH, C1-8 alkoxy, halo, acyl, NO2, and amino; R7W taken together to form a ring; provided that when R7 and W forms a ring, R4 - R6 are not each OH and C1-6 alkoxy; pharmaceutically acceptable salts and hydrates thereof; are claimed. Example compound II was prepared by amidation of (S)-1-(4-glycidyloxybenzo[b]furan-2-ylcarbonyl)pyrrolidine with 4-(naphthalen-2-yl)piperidine. All the invention compds. were evaluated for their 5-HT reuptake inhibitory activity (some data given).

IT 1020271-40-2P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate; preparation of phenoxypropylamine compds. as 5-HT reuptake inhibitors useful in the treatment of depression)

RN 1020271-40-2 CAPLUS

CN 1H-Indole-2-carboxylic acid, 4-(phenylmethoxy)-, 2-acetylhydrazide (CA INDEX NAME)



L5 ANSWER 2 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2002:696000 CAPLUS Full-text
DN 137:226583
TI Peptide deformylase inhibitors
IN Xiang, Jia-Ning; Christensen, Siegfried B.; Lee, Jinhwa; Mercer, Daniel J.
PA Smithkline Beecham Corporation, USA
SO PCT Int. Appl., 95 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002070541	A2	20020912	WO 2002-US6275	20020301 <--
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	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
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	AU 2002335490	A1	20020919	AU 2002-335490	20020301 <--
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	EP 1363873	A2	20031126	EP 2002-748375	20020301
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	HU 2003003308	A2	20040128	HU 2003-3308	20020301
	CN 1505607	A	20040616	CN 2002-809257	20020301
	NZ 527728	A	20040924	NZ 2002-527728	20020301
	JP 2004537507	T	20041216	JP 2002-569860	20020301
	JP 4266638	B2	20090520		
	BR 2002007810	A	20080415	BR 2002-7810	20020301
	EG 24516	A	20090819	EG 2003-473	20030520
	NO 2003003828	A	20031006	NO 2003-3828	20030828
	US 20040087585	A1	20040506	US 2003-469433	20030828
	US 7019003	B2	20060328		
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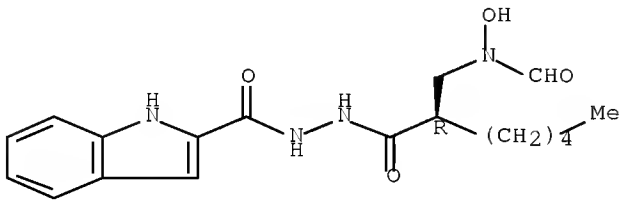
	IN 2003DN01386	A	20070330	IN 2003-DN1386	20030829
PRAI	US 2001-272570P	P	20010301		
	WO 2002-US6275	W	20020301		

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OS MARPAT 137:226583
AB Nobel peptide deformylase (PDF) inhibitors and novel methods for their use are provided. The PDF inhibitors can be used to treat bacterial infection.
IT 457896-21-8P 457896-76-3P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(peptide deformylase inhibitors and their use to treat bacterial infection)

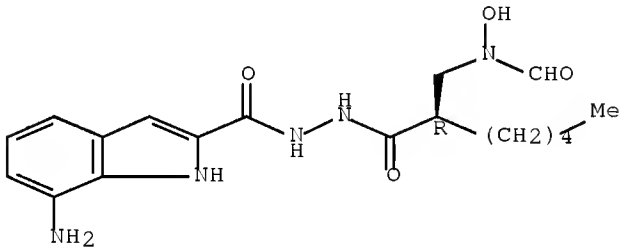
RN 457896-21-8 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-[(2R)-2-[(formylhydroxyamino)methyl]-1-oxoheptyl]hydrazide (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 457896-76-3 CAPLUS
CN 1H-Indole-2-carboxylic acid, 7-amino-, 2-[(2R)-2-[(formylhydroxyamino)methyl]-1-oxoheptyl]hydrazide (9CI) (CA INDEX NAME)

Absolute stereochemistry.



OSC.G 6 THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD (6 CITINGS)
RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 3 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2002:682715 CAPLUS Full-text
DN 137:363676
TI Changes in UCP2, PPARγ2, and C/EBPα gene expression induced by a neuropeptide Y (NPY) related receptor antagonist in overweight rats
AU Margareto, J.; Rivero, I.; Monge, A.; Aldana, I.; Marti, A.; Martinez, J. A.
CS Department of Physiology and Nutrition, University of Navarra, Pamplona, Navarra, 31008, Spain
SO Nutritional Neuroscience (2002), 5(1), 13-17
CODEN: NNINFE; ISSN: 1028-415X
PB Taylor & Francis Ltd.
DT Journal
LA English
AB Neuropeptide Y (NPY), a peptide released by nervous cells, appears to contribute to adiposity regulation by increasing food intake and inhibiting

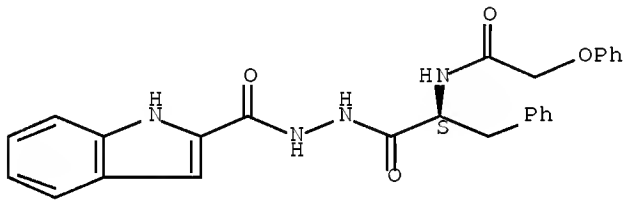
lipolysis. New NPY receptor related antagonists such as S.A.0204 are being developed as potential anti-obesity drugs affecting adipocyte lipid metabolism and thermogenesis. In this sense, those animals fed on a high-energy yielding (cafeteria) diet decreased body fat weight as compared to overweight controls, when they were administered with S.A.0204, and increased body temperature, which statistically correlated with high UCP2 mRNA expression levels in white adipose tissue. In addition, the in vivo NPY antagonist administration was able to prevent white adipose tissue growth in animals fed the cafeteria (high-fat) diet by impairing PPARγ and C/EBPα mRNA expression in white fat cells. In summary, this novel NPY related-antagonist S.A.0204 may regulate body fat deposition by affecting both energy dissipation and white adipose tissue deposition, representing a potential new pharmacol. strategy for obesity management.

IT 274934-35-9, S.A.0204
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(neuropeptide Y receptor antagonist change in energy dissipation and adipogenesis related factors UCP2, PPARγ2, and C/EBPα gene expression in overweight rats and mechanisms thereof)

RN 274934-35-9 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-[1-oxo-2-[(2-phenoxyacetyl)amino]-3-phenylpropyl]hydrazide (CA INDEX NAME)

Absolute stereochemistry.



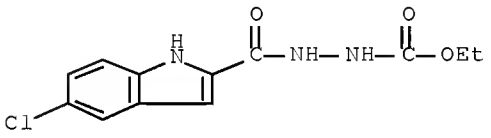
OSC.G 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)
RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 4 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2002:679012 CAPLUS Full-text
DN 138:271646
TI Synthesis and reactions of certain 1,2,4-triazino[4,5-a]indoles
AU Ghoneim, K. M.; El-Fattah, B. Abd; Soliman, L. N.; El-Meligie, S.; El-Maaty, S. M. Abou
CS Organic Chemistry Department, Faculty of Pharmacy, Cairo University, Cairo, Egypt
SO Bulletin of the Faculty of Pharmacy (Cairo University) (2001), 39(2), 11-21
CODEN: BFPHA8; ISSN: 1110-0931
PB Cairo University, Faculty of Pharmacy
DT Journal
LA English
OS CASREACT 138:271646
AB Condensation of 5-chloro-2-hydrazinocarbonylindole (IV) with certain aldehydes, Et chloroformate, ethylorthoformate and some Et ortho alkanoates afforded V1-3, VII, IX and X1,2 resp. Further reaction of V1-3 with Br2/AcOH gave the bromo derivs. VI1-3, while treatment of VII with KOH yielded VIII. Meanwhile, hydrazinolysis of VIII and X1,2 took place on heating with excess

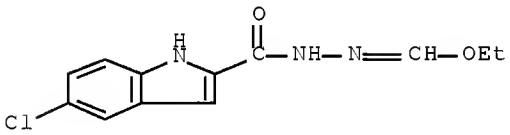
hydrazine. Reacting XI1,2 with P2S5 furnished the thioxo derivs. XI1,2 which on treatment with hydrazine gave rise to the hydralazine analogs XII1,2. Interacting XII1,2 with some aromatic carbonyl compds. and tri-Et ortho alkanoates brought about XIII1-16 and XV1-6 resp. Reacting XII1 with formic acid and acetylacetone yielded XVI and XVII resp. Also, Treating XII2 with di-Et oxalate produced XVIII. Moreover, reacting XI1 with Et chloroacetate afforded the ester XIX which on reacting with hydrazine gave the hydrazide XX. Condensing the latter with different carbonyl compds. yielded XXI1-4.

IT 87811-55-0P 503179-80-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(synthesis and reactions of 1,2,4-triazino[4,5-a]indole derivs.)

RN 87811-55-0 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-(ethoxycarbonyl)hydrazide (CA INDEX NAME)



RN 503179-80-4 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-(ethoxymethylene)hydrazide (CA INDEX NAME)



RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 5 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2002:522642 CAPLUS Full-text
DN 137:93684
TI Preparation of 3-substituted indole angiogenesis inhibitors
IN Bamaung, Nwe Y.; Craig, Richard A.; Kawai, Megumi; Wang, Jieyi; Dai, Yujia; Guo, Yan; Sheppard, George; Verzal, Mary K.; Vasudevan, Anil; Michaelides, Michael
PA USA
SO U.S. Pat. Appl. Publ., 49 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20020091148	A1	20020711	US 2001-952603	20010914 <--
PRAI US 2000-233390P	P	20000915		

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OS MARPAT 137:93684

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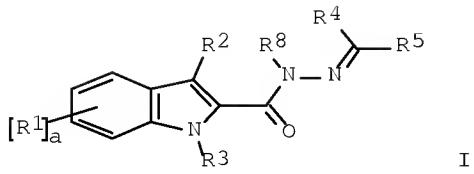


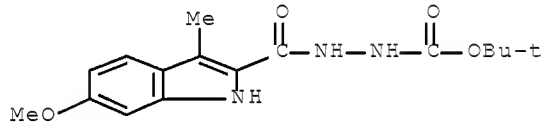
I

AB The title compds. [I; a = 0-4; R1 = alkoxy, NH2, halo, OH, NO2; R2 = alkenyl, alkyl, aryl, etc.; R3 = H, alkyl, N-protecting group; one of R4 and R5 = alkyl, aryl, arylalkyl, etc., and the other = H, alkyl; R8 = H, alkyl], useful in inhibiting angiogenesis and cancer, were prepared E.g., a multi-step synthesis of I [R1 = H; R2 = Ph; R3 = H; R4 = 4-MeOC6H4; R5, R8 = H] was described. The compds. I had IC50 values between 9 nM and 60 μM with a preferred range of 0.1-0.5 μM and a most preferred range of 9-50 nM in HMVEC cell proliferation assays.

IT 441801-33-8
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of indolecarbohydrazides as angiogenesis inhibitors)

RN 441801-33-8 CAPLUS

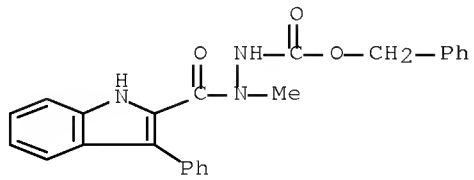
CN 1H-Indole-2-carboxylic acid, 6-methoxy-3-methyl-, 2-[(1,1-dimethylethoxy)carbonyl]hydrazide (CA INDEX NAME)



IT 441801-11-2P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of indolecarbohydrazides as angiogenesis inhibitors)

RN 441801-11-2 CAPLUS

CN 1H-Indole-2-carboxylic acid, 3-phenyl-, 1-methyl-2-[(phenylmethoxy)carbonyl]hydrazide (CA INDEX NAME)



L5 ANSWER 6 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN

AN 2002:368455 CAPLUS Full-text

DN 136:379071

TI Preparation of substituted bis-indole derivatives and their metal complexes useful as contrast agents, pharmaceutical compositions containing them and intermediates for producing them

IN Cresens, Erwin; Ni, Yicheng; Adriaens, Paul; Verbruggen, Alfons; Marchal, Guy

PA K.U. Leuven Research & Development, Belg.

SO PCT Int. Appl., 75 pp.
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002038546	A1	20020516	WO 2001-BE192	20011107 <--
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	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
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	AU 2002018075	A	20020521	AU 2002-18075	20011107 <--
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	US 20040053911	A1	20040318	US 2003-416043	20031023
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OS MARPAT 136:379071

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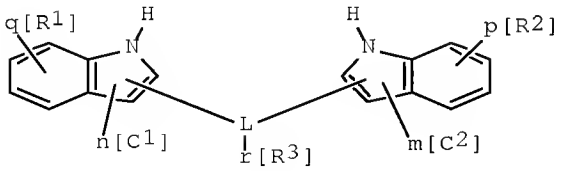


I

AB The preparation is described for metal-complexable substituted bis-indole derivs. comprising the structure shown in formula (I) and its enantiomers, pharmaceutically acceptable salts and metal complexes, where L is a bond or linking group, C1 and C2 are metal complexing substituents with m + n = 1 or 2, and the remaining substituents (R1, R2, R3) and coeffs. (p, q and r) are as defined within the document, for use as contrast agents. Thus, the gadolinium bis(indole)-DTPA derivative complex Na2[Gd2L'] [L' = I with L = 3,3'-PhCH, R1 = R2 = R3 = H, C1 = C2 = 2(2')-

CONHNHCH2N(CH2CO2H)CH2CH2N(CH2CO2H)CH2CH2N(CH2CO2H)2, m = n = 1] was prepared and tested as an MRI contrast agent.

IT 424838-53-5P

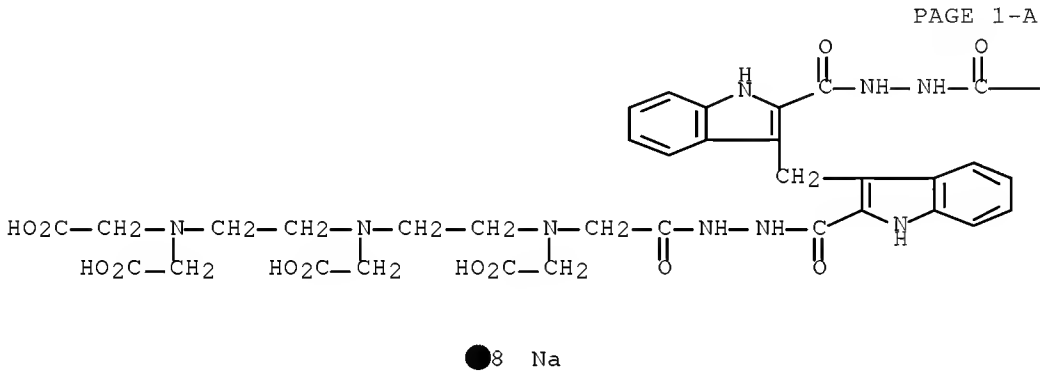
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(intermediate product in preparation of bis(indole) derivs. and their metal complexes as contrast agents)

RN 424838-59-5 CAPLUS

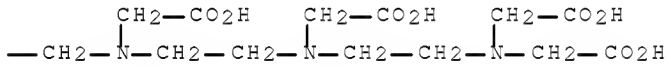
CN 1H-Indole-2-carboxylic acid, 3,3'-methylenebis-, bis[2-[[[2-[[2-[bis(carboxymethyl)amino]ethyl](carboxymethyl)amino]ethyl](carboxymethyl)amino]acetyl]hydrazide], octasodium salt (9CI) (CA INDEX NAME)

PAGE 1-A



8 Na

PAGE 1-B



IT 424838-55-1P 424838-64-2P 424838-67-5P
424838-68-6P 424838-69-7P 424838-70-0P
424838-71-1P

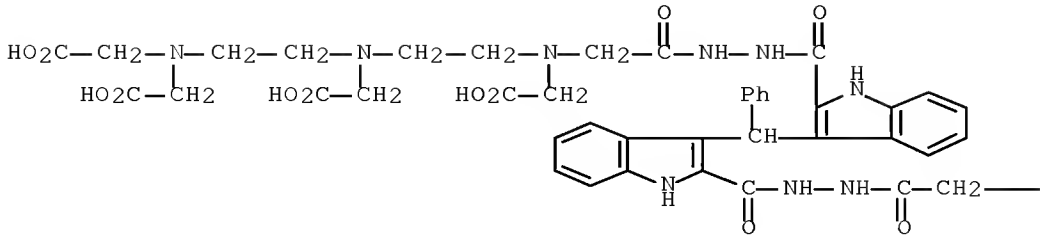
RL: DGN (Diagnostic use); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(preparation of bis(indole) derivs. and their metal complexes as contrast agents)

RN 424838-55-1 CAPLUS

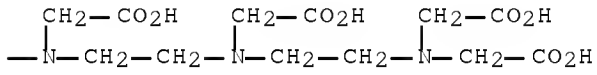
CN 1H-Indole-2-carboxylic acid, 3,3'-(phenylmethylene)bis-, bis[2-[[[2-[[2-[bis(carboxymethyl)amino]ethyl](carboxymethyl)amino]ethyl](carboxymethyl)amino]acetyl]hydrazide], octasodium salt (9CI) (CA INDEX NAME)

PAGE 1-A



●8 Na

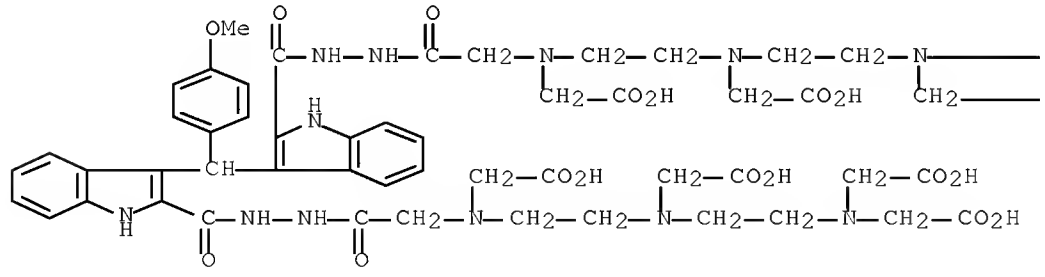
PAGE 1-B



RN 424838-64-2 CAPLUS

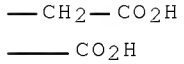
CN 1H-Indole-2-carboxylic acid, 3,3'-[(4-methoxyphenyl)methylene]bis-, bis[2-[[[2-[[2-[bis(carboxymethyl)amino]ethyl](carboxymethyl)amino]ethyl](carboxymethyl)amino]acetyl]hydrazide], octasodium salt (9CI) (CA INDEX NAME)

PAGE 1-A



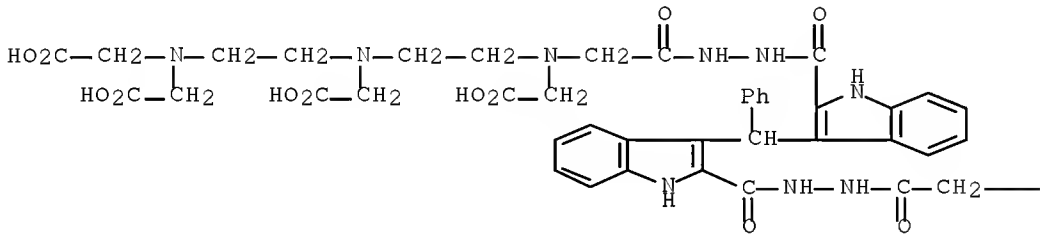
●8 Na

PAGE 1-B



RN 424838-67-5 CAPLUS
CN 1H-Indole-2-carboxylic acid, 3,3'-(phenylmethylene)bis-, bis[2-[[[2-[[2-[bis(carboxymethyl)amino]ethyl](carboxymethyl)amino]ethyl](carboxymethyl)amino]acetyl]hydrazide] (9CI) (CA INDEX NAME)

PAGE 1-A



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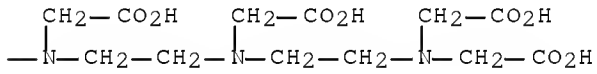
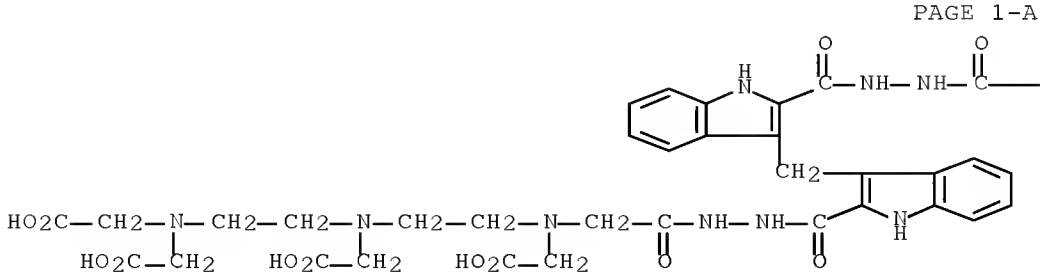


RN 424838-68-6 CAPLUS
CN 1H-Indole-2-carboxylic acid, 3,3'-methylenebis-, bis[2-[[[2-[[2-[bis(carboxymethyl)amino]ethyl](carboxymethyl)amino]ethyl](carboxymethyl)amino]acetyl]hydrazide] (9CI) (CA INDEX NAME)

PAGE 1-A



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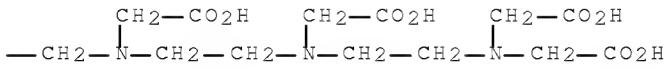
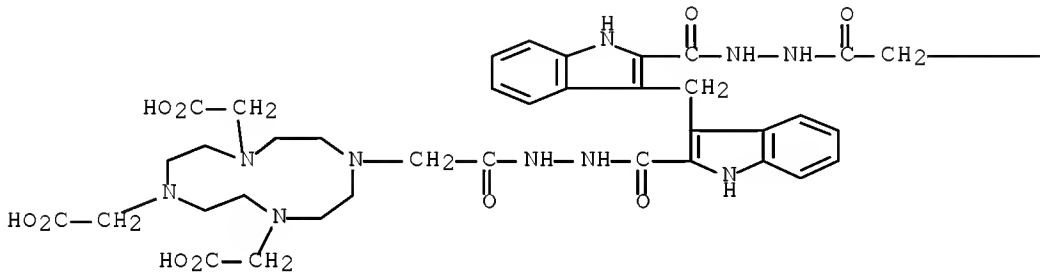


RN 424838-69-7 CAPLUS
CN 1,4,7,10-Tetraazacyclododecane-1,4,7,10-tetraacetic acid, 2,2'-[methylenebis(1H-indole-3,2-diylcarbonyl)]dihydrazide (9CI) (CA INDEX NAME)

PAGE 1-A



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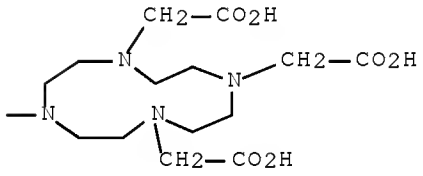
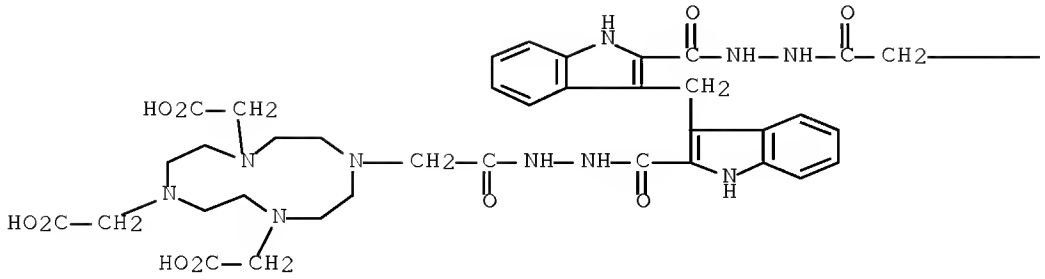


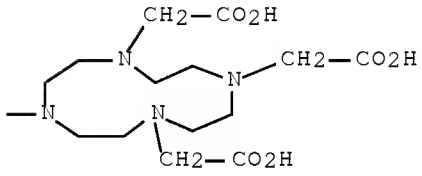
RN 424838-70-0 CAPLUS
CN 1,4,7,10-Tetraazacyclododecane-1,4,7,10-tetraacetic acid, 2,2'-[methylenebis(1H-indole-3,2-diylcarbonyl)]dihydrazide, hexasodium salt (9CI) (CA INDEX NAME)

PAGE 1-A



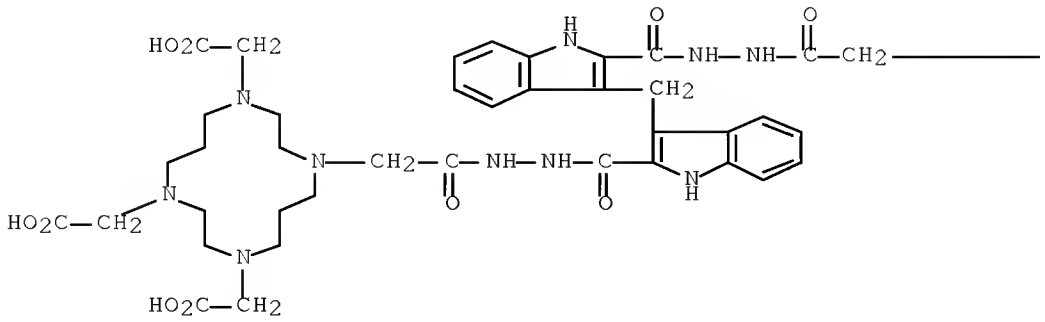
●6 Na

PAGE 1-B



RN 424838-71-1 CAPLUS
CN 1,4,8,11-Tetraazacyclotetradecane-1,4,8,11-tetraacetic acid, 2,2'-[methylenebis(1H-indole-3,2-diylcarbonyl)]dihydrazide (9CI) (CA INDEX NAME)

PAGE 1-A



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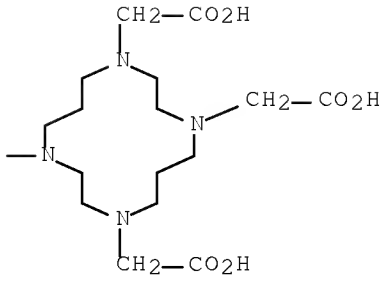
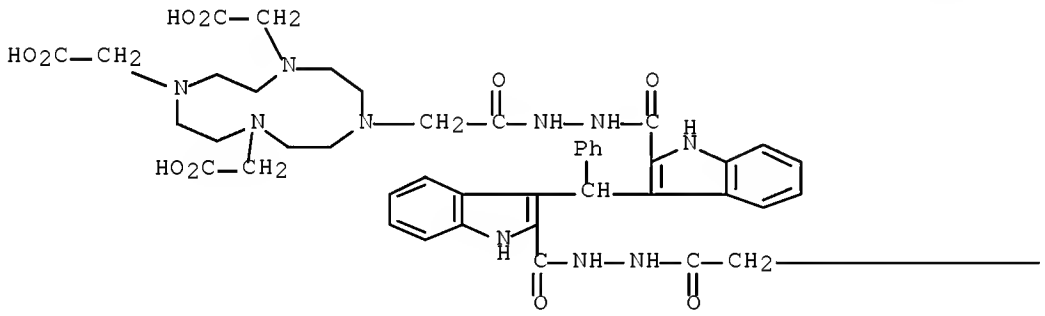


IT 424838-61-9P 424838-67-5DP, metal complexes
424838-68-6DP, metal complexes 424838-69-7DP, metal complexes 424838-71-1DP, metal complexes
RL: DGN (Diagnostic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of bis(indole) derivs. and their metal complexes as contrast agents)

RN 424838-61-9 CAPLUS

CN 1,4,7,10-Tetraazacyclododecane-1,4,7,10-tetraacetic acid, 2,2'-[(phenylmethylene)bis(1H-indole-3,2-diylcarbonyl)]dihydrazide (9CI) (CA INDEX NAME)

PAGE 1-A



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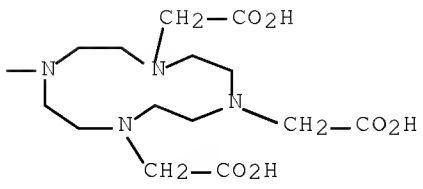
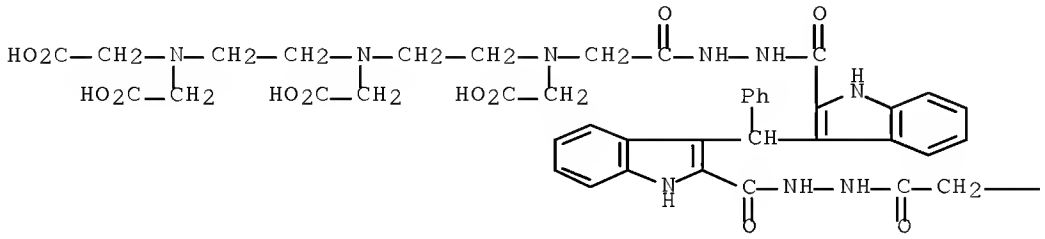


RN 424838-67-5 CAPLUS
CN 1H-Indole-2-carboxylic acid, 3,3'-(phenylmethylene)bis-, bis[2-[[[2-[[2-[bis(carboxymethyl)amino]ethyl](carboxymethyl)amino]ethyl](carboxymethyl)amino]acetyl]hydrazide] (9CI) (CA INDEX NAME)

PAGE 1-A



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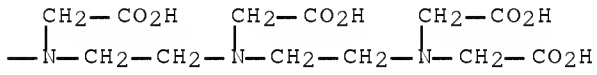

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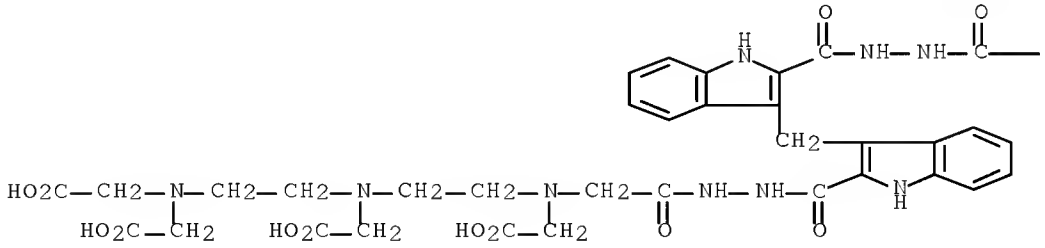
CN 1H-Indole-2-carboxylic acid, 3,3'-methylenebis-, bis[2-[[[2-[[2-[bis(carboxymethyl)amino]ethyl](carboxymethyl)amino]ethyl](carboxymethyl)amino]acetyl]hydrazide] (9CI) (CA INDEX NAME)

PAGE 1-A



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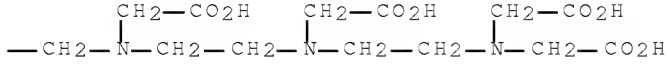
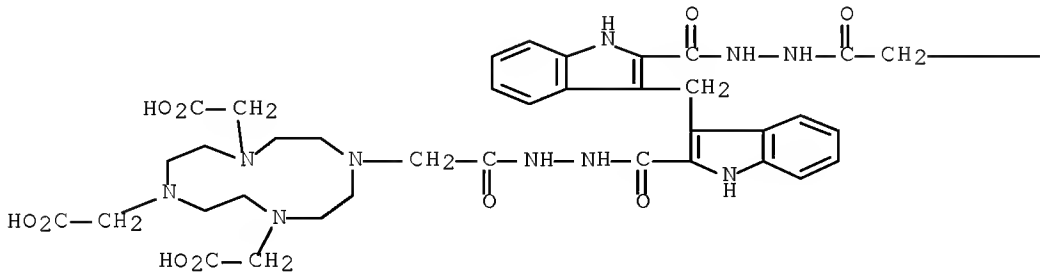


RN 424838-69-7 CAPLUS
CN 1,4,7,10-Tetraazacyclododecane-1,4,7,10-tetraacetic acid,

2,2'-[methylenebis(1H-indole-3,2-diylcarbonyl)]dihydrazide (9CI) (CA INDEX NAME)

PAGE 1-A



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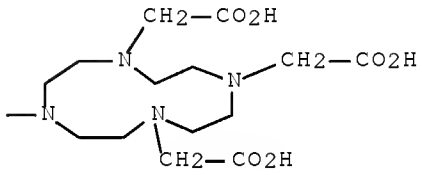
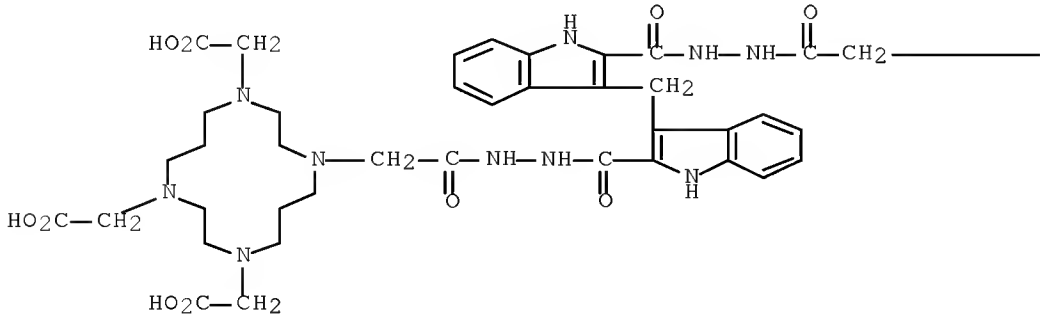


RN 424838-71-1 CAPLUS

CN 1,4,8,11-Tetraazacyclotetradecane-1,4,8,11-tetraacetic acid, 2,2'-[methylenebis(1H-indole-3,2-diylcarbonyl)]dihydrazide (9CI) (CA INDEX NAME)

PAGE 1-A



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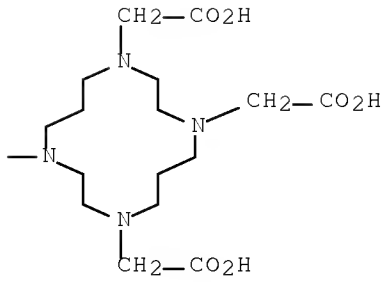

OSC.G 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)
RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 7 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2002:240749 CAPLUS Full-text
DN 136:279204
TI Preparation of heterocyclylcarbonyl derivatives of arylsulfonylhydrazides as branched chain amino acid-dependent aminotransferase inhibitors and their use in the treatment of neurodegenerative diseases
IN Bora, Keenan Martin; Hu, Lain-Yen; Kesten, Suzanne Ross; Lei, Huanyshu; Moreland, David Winslow; Rafferty, Michael Francis; Ryder, Todd Robert; Scholten, Jeffrey David; Wustrow, David Juergen
PA Warner-Lambert Company, USA
SO PCT Int. Appl., 183 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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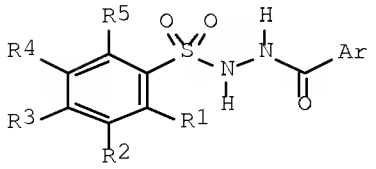

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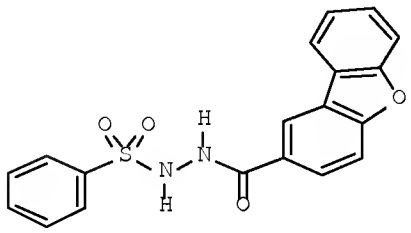
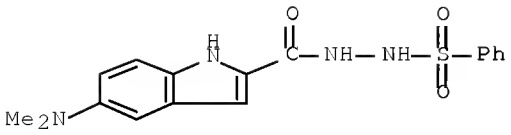


II

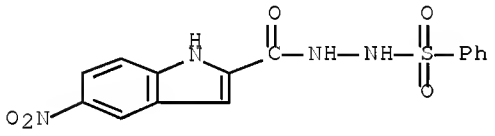
AB Title compds. I (R1, R2, R4, and R5 = H, halo, CN, NO2, aryl, (un)substituted-alkyl, -alkoxy, etc.; R3 = H, F, Br, alkyl, carboxy, (un)substituted alkoxy; Ar = (un)substituted-indole, -benzofuran, tricyclic heteroaryl, etc.) are prepared and disclosed as branched chain amino acid-dependent aminotransferase (BCAT) inhibitors. Thus, II was prepared by amidation of dibenzofurancarboxylic acid with hydrazine followed by sulfonylation with benzenesulfonyl chloride. In assays with human BCAT, I demonstrated inhibition in a range of concns. from 0.3 to >100μM. As BCAT inhibitors, I, their pharmaceutically acceptable salts and prodrugs thereof, are useful for treating or preventing neuronal loss associated with stroke, ischemia, CNS trauma, hypoglycemia and surgery, as well as treating neurodegenerative diseases including Alzheimer's disease, amyotrophic lateral sclerosis, Huntington's disease and Down's syndrome, treating or preventing the adverse consequences of the overstimulation of the excitatory amino acids, treating anxiety, psychosis, convulsions, aminoglycoside antibiotics-induced hearing loss, migraine headache, chronic pain, neuropathic pain, Parkinson's disease, diabetic retinopathy, glaucoma, CMV retinitis, urinary incontinence, opioid tolerance or withdrawal, and inducing anesthesia, as well as for enhancing cognition.

IT 406192-88-9
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of heterocyclylcarbonyl derivs. of arylsulfonylhydrazides as branched chain amino acid-dependent aminotransferase inhibitors and their use in the treatment of neurodegenerative diseases)

RN 406192-88-9 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-(dimethylamino)-, 2-(phenylsulfonyl)hydrazide (CA INDEX NAME)



IT 406192-41-4P
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(target compound; preparation of heterocyclylcarbonyl derivs. of arylsulfonylhydrazides as branched chain amino acid-dependent aminotransferase inhibitors and their use in the treatment of neurodegenerative diseases)
RN 406192-41-4 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-nitro-, 2-(phenylsulfonyl)hydrazide (CA INDEX NAME)



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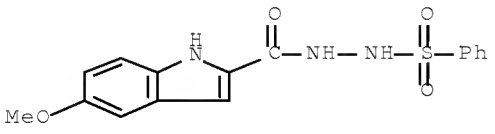
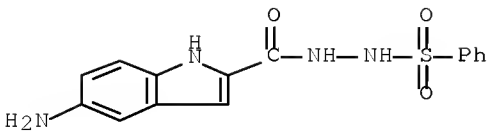
406192-50-5P 406192-51-6P 406192-52-7P
406192-58-3P 406192-59-4P 406192-60-7P
406192-61-8P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(target compound; preparation of heterocyclylcarbonyl derivs. of arylsulfonylhydrazides as branched chain amino acid-dependent aminotransferase inhibitors and their use in the treatment of neurodegenerative diseases)
RN 22930-51-4 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methoxy-, 2-(phenylsulfonyl)hydrazide (CA INDEX NAME)



RN 406192-24-3 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-amino-, 2-(phenylsulfonyl)hydrazide (CA INDEX NAME)



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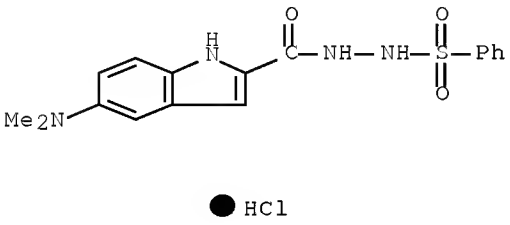
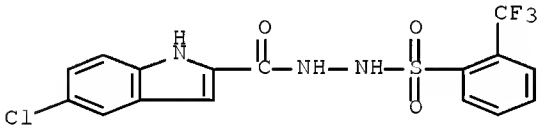
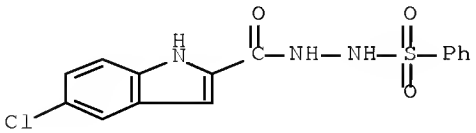
CN 1H-Indole-2-carboxylic acid, 5-(dimethylamino)-, 2-(phenylsulfonyl)hydrazide, hydrochloride (1:1) (CA INDEX NAME)



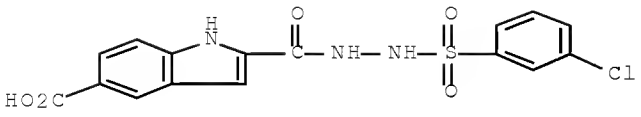
RN 406192-40-3 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-[[2-(trifluoromethyl)phenyl]sulfonyl]hydrazide (CA INDEX NAME)



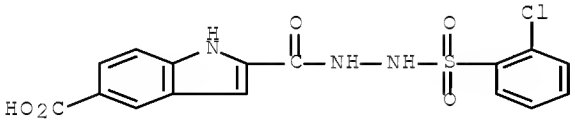
RN 406192-42-5 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-(phenylsulfonyl)hydrazide (CA INDEX NAME)



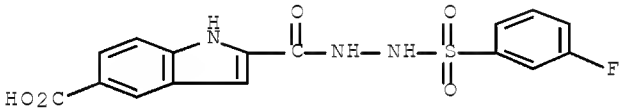
RN 406192-43-6 CAPLUS
CN 1H-Indole-2,5-dicarboxylic acid, 2-[2-[(3-chlorophenyl)sulfonyl]hydrazide] (CA INDEX NAME)



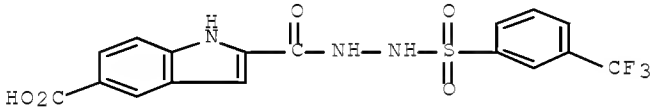
RN 406192-44-7 CAPLUS
CN 1H-Indole-2,5-dicarboxylic acid, 2-[2-[(2-chlorophenyl)sulfonyl]hydrazide] (CA INDEX NAME)



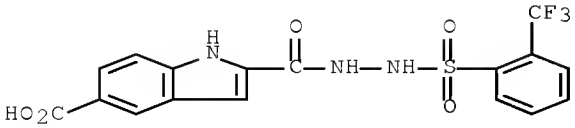
RN 406192-45-8 CAPLUS
CN 1H-Indole-2,5-dicarboxylic acid, 2-[2-[(3-fluorophenyl)sulfonyl]hydrazide] (CA INDEX NAME)



RN 406192-46-9 CAPLUS
CN 1H-Indole-2,5-dicarboxylic acid, 2-[2-[[3-(trifluoromethyl)phenyl]sulfonyl]hydrazide] (CA INDEX NAME)

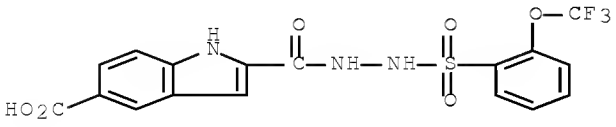


RN 406192-47-0 CAPLUS
CN 1H-Indole-2,5-dicarboxylic acid, 2-[2-[[2-(trifluoromethyl)phenyl]sulfonyl]hydrazide] (CA INDEX NAME)

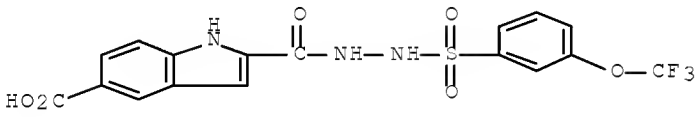


RN 406192-48-1 CAPLUS
CN 1H-Indole-2,5-dicarboxylic acid, 2-[2-[[2-

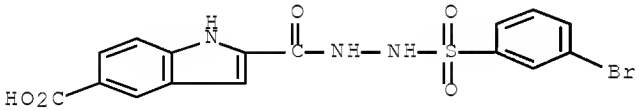
(trifluoromethoxy)phenyl]sulfonyl]hydrazide] (CA INDEX NAME)



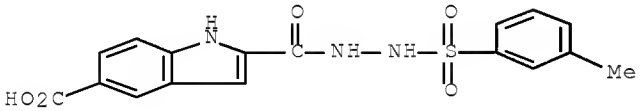
RN 406192-49-2 CAPLUS
CN 1H-Indole-2,5-dicarboxylic acid, 2-[2-[[3-(trifluoromethoxy)phenyl]sulfonyl]hydrazide] (CA INDEX NAME)



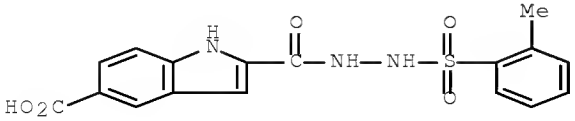
RN 406192-50-5 CAPLUS
CN 1H-Indole-2,5-dicarboxylic acid, 2-[2-[(3-bromophenyl)sulfonyl]hydrazide] (CA INDEX NAME)



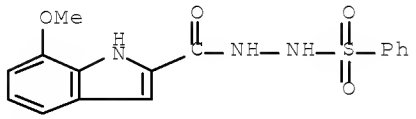
RN 406192-51-6 CAPLUS
CN 1H-Indole-2,5-dicarboxylic acid, 2-[2-[(3-methylphenyl)sulfonyl]hydrazide] (CA INDEX NAME)



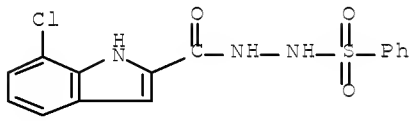
RN 406192-52-7 CAPLUS
CN 1H-Indole-2,5-dicarboxylic acid, 2-[2-[(2-methylphenyl)sulfonyl]hydrazide] (CA INDEX NAME)



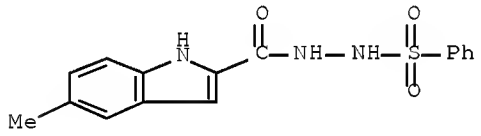
RN 406192-58-3 CAPLUS
CN 1H-Indole-2-carboxylic acid, 7-methoxy-, 2-(phenylsulfonyl)hydrazide (CA INDEX NAME)



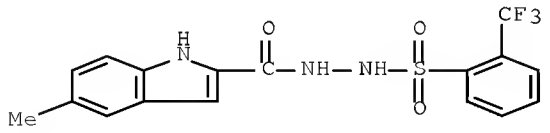
RN 406192-59-4 CAPLUS
CN 1H-Indole-2-carboxylic acid, 7-chloro-, 2-(phenylsulfonyl)hydrazide (CA INDEX NAME)



RN 406192-60-7 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methyl-, 2-(phenylsulfonyl)hydrazide (CA INDEX NAME)



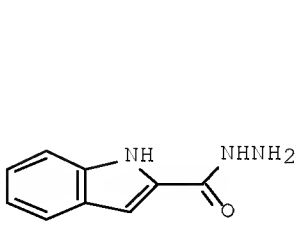
RN 406192-61-8 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methyl-, 2-[[2-(trifluoromethyl)phenyl]sulfonyl]hydrazide (CA INDEX NAME)



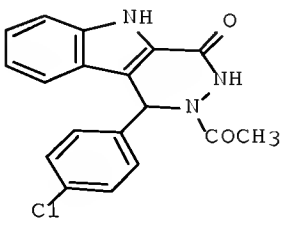
OSC.G 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD (4 CITINGS)
RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 8 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2001:596440 CAPLUS Full-text
DN 135:331407
TI On the synthesis and reactions of indole-2-carboxylic acid hydrazide
AU Sarhan, Abd El-Wareth A. O.

CS Chemistry Department, Faculty of Science, Assiut University, Assiut, 71516, Egypt
SO Monatshefte fuer Chemie (2001), 132(6), 753-763
CODEN: MOCMB7; ISSN: 0026-9247
PB Springer-Verlag Wien
DT Journal
LA English
OS CASREACT 135:331407
GI



I

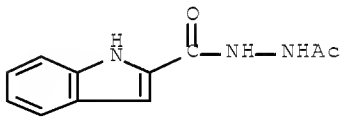


II

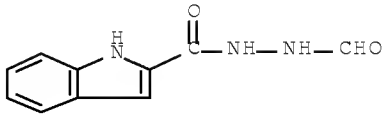
AB Indole-2-carboxylic acid hydrazide (I) was prepared and allowed to react with aromatic aldehydes in acidic medium to give the corresponding hydrazone derivs. in good yields. The hydrazones were cyclized to indolo[2,3-d]pyridazine derivs., e.g. II, by refluxing with acetyl chloride. The indole carbohydrazide was converted to 2-triazolylindoles which acted as starting materials for several indole derivs. A number of new indole derivs. were also prepared and structurally confirmed.

IT 37574-75-7P 64932-49-6P 152586-37-3P
369614-60-8P 369614-62-0P 369614-70-0P
369614-71-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(synthesis and reactions of indole-2-carboxylic acid hydrazide)

RN 37574-75-7 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-acetylhydrazide (CA INDEX NAME)

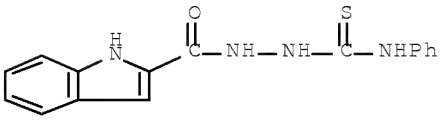


RN 64932-49-6 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-formylhydrazide (CA INDEX NAME)

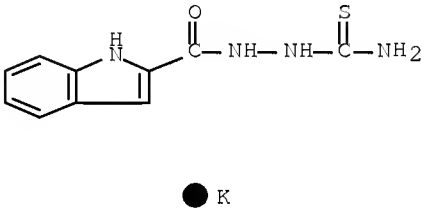


RN 152586-37-3 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-[(phenylamino)thioxomethyl]hydrazide (CA

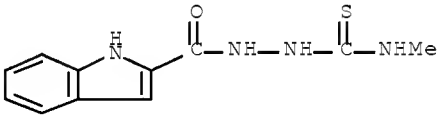
INDEX NAME)



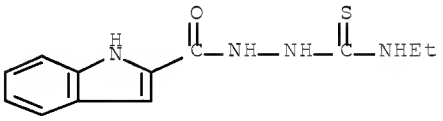
RN 369614-60-8 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-(aminothioxomethyl)hydrazide, potassium salt (1:1) (CA INDEX NAME)



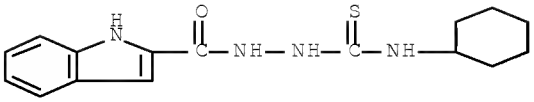
RN 369614-62-0 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-[(methylamino)thioxomethyl]hydrazide (CA INDEX NAME)



RN 369614-70-0 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-[(ethylamino)thioxomethyl]hydrazide (CA INDEX NAME)

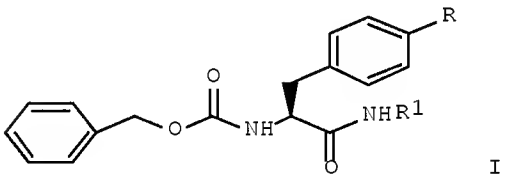


RN 369614-71-1 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-[(cyclohexylamino)thioxomethyl]hydrazide (CA INDEX NAME)



OSC.G 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)
RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

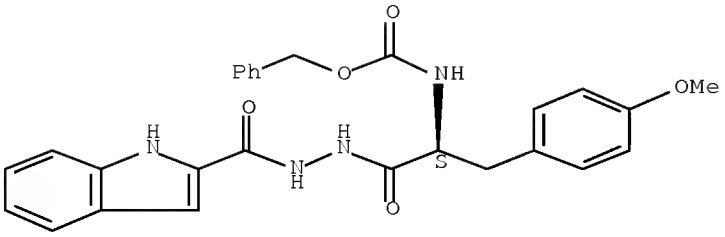
L5 ANSWER 9 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2001:347687 CAPLUS Full-text
DN 135:137684
TI New antagonist agents of neuropeptide Y receptors
AU Aldana, Ignacio; Rivero, Isabel; Rivero, Argimiro; Huenchunir, Patricio; Frigola, Carmen; Alonso, Maria Luisa; Monge, Antonio; Caignard, D. H.; Renard, P.
CS Dep. Pharm. Chem., Univ. Navarra, Pamplona, Spain
SO Quimica Nova (2000), 23(6), 737-741
CODEN: QUNODK; ISSN: 0100-4042
PB Sociedade Brasileira de Quimica
DT Journal
LA English
OS CASREACT 135:137684
GI



I

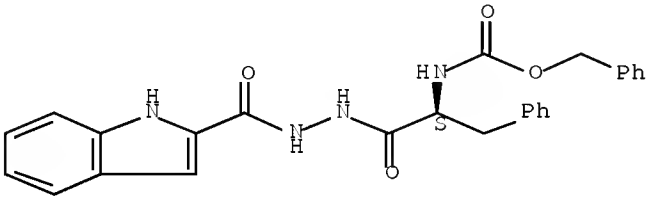
AB The hydrazide derivs. I (R = H, MeO; R1 = PhNH, PhCONH, 2-indolylcarbonylamino, 3-pyridylcarbonylamino, 3-indolylmethylcarbonylamino, 3-pyrazolyl) were prepared from L-phenylalanine and L-methyltirosine as antagonist agents of neuropeptide Y receptors. The L-phenylalanine derived products have better activity.
IT 274934-52-0P 351860-09-8P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation of amino acid hydrazide derivs. as new antagonist agents of neuropeptide Y receptors)
RN 274934-52-0 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-[3-(4-methoxyphenyl)-1-oxo-2-[[(phenylmethoxy)carbonyl]amino]propyl]hydrazide (CA INDEX NAME)

Absolute stereochemistry.



RN 351860-09-8 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-[1-oxo-3-phenyl-2-[[(phenylmethoxy)carbonyl]amino]propyl]hydrazide (CA INDEX NAME)

Absolute stereochemistry.

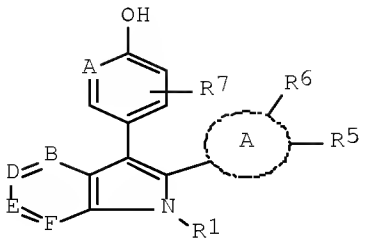


RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

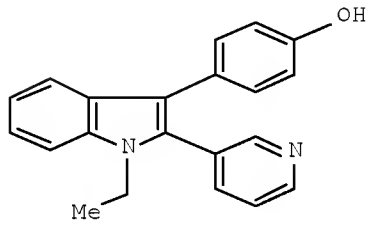
L5 ANSWER 10 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2001:326267 CAPLUS Full-text
DN 134:340435
TI Preparation and activation effect of indoles to estrogen receptor
IN Kato, Susumu; Hayakawa, Kazuhide; Fujii, Akihiko
PA Japan Tobacco, Inc., Japan
SO Jpn. Kokai Tokkyo Koho, 32 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2001122855	A	20010508	JP 1999-305996	19991027 <--
PRAI	JP 1999-305996		19991027		

OS MARPAT 134:340435
GI



I



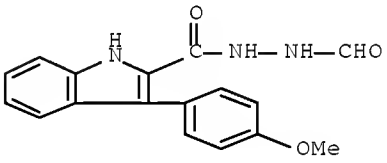
II

AB Title compds. [I; R1 = H, alkyl; R5, R6 independently = H, halo, OH, alkyl, alkoxy; R7 = H, halo, alkyl; A, B, D, E, F independently = N, CH; Y = benzene] and pharmaceutically acceptable salts, having activation effect for estrogen receptor-β, are prepared and are useful as osteoporosis remedy without side effect. Thus, the title compound II was prepared and biol. tested.

IT 338466-43-6P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and activation effect of indoles to estrogen receptor)

RN 338466-43-6 CAPLUS

CN 1H-Indole-2-carboxylic acid, 3-(4-methoxyphenyl)-, 2-formylhydrazide (CA INDEX NAME)



OSC.G 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)

L5 ANSWER 11 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN

AN 2000:861009 CAPLUS Full-text

DN 134:157421

TI A new NPY-antagonist strongly stimulates apoptosis and lipolysis on white adipocytes in an obesity model

AU Margareto, Javier; Aguado, Miriam; Oses-Prieto, Juan A.; Rivero, Isabel; Monge, Antonio; Aldana, Ignacio; Marti, Amelia; Martinez, J. Alfredo

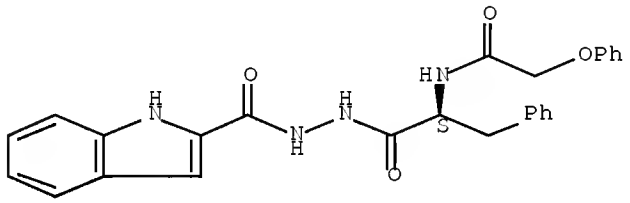
CS Department of Physiology and Nutrition, University of Navarra, Pamplona, 31008, Spain

SO Life Sciences (2000), 68(1), 99-107
CODEN: LIFSAK; ISSN: 0024-3205

PB Elsevier Science Inc.

DT Journal
LA English
AB Neuropeptide Y (NPY) is a 36 amino acid peptide released in central and peripheral mammalian neurons, which appears to contribute to adiposity regulation by increasing food intake, thus promoting weight gain on animals. Nevertheless, little is known about NPY direct actions on white adipocytes. This trial, which was designed to test the possible effects of a new NPY antagonist, S.A.0204, on white adipose tissue, revealed that the administration of this novel mol. strongly ex vivo stimulates apoptosis and lipolysis in animals fed on a high-fat diet.
IT 274934-35-9, S.A. 0204
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(S.A.0204 strongly stimulates apoptosis and lipolysis on white adipocytes in an obesity model)
RN 274934-35-9 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-[1-oxo-2-[(2-phenoxyacetyl)amino]-3-phenylpropyl]hydrazide (CA INDEX NAME)

Absolute stereochemistry.



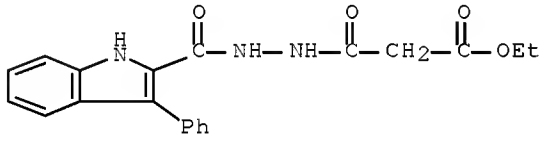
OSC.G 19 THERE ARE 19 CAPLUS RECORDS THAT CITE THIS RECORD (19 CITINGS)
RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 12 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2000:780224 CAPLUS Full-text
DN 134:71458
TI Synthesis and pharmacological evaluation of 3,5-disubstituted indole-2-[Nβ-(substituted benzopyran-2'-one-3'-carboxyl)]carboxy hydrazides and 2H-3-(various substituted indol-3'-yl)methyl-1,3-benzothiazoles
AU Mruthyunjayaswamy, B. H. M.; Shanthaveerappa, B. K.
CS Department of Chemistry, Gulbarga University, Gulbarga, 585 106, India
SO Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry (2000), 39B(6), 433-439
CODEN: IJSBDB; ISSN: 0376-4699
PB National Institute of Science Communication, CSIR
DT Journal
LA English
OS CASREACT 134:71458
AB Equimolar quantities of 3,5-disubstituted indole-2-carboxy hydrazides and di-Et malonate when refluxed in dry xylene for 10h afford 3,5-disubstituted indole-2-[Nβ-mono(carbethoxy malonoyl)]carboxy hydrazides, which on reaction with Bz-substituted salicylaldehydes in ethanol under reflux conditions in the presence of catalytic amount of piperidine for 5hr give 3,5-disubstituted indole-2-[Nβ-(substituted benzopyran-2'-one-3'-carboxyl)]carboxy hydrazides. 2-(Various substituted indol-3'-yl)methyliminothiophenols have been

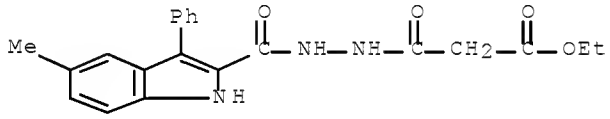
synthesized by reacting various substituted indole-3-carboxaldehydes and o-aminothiophenol. Methyliminothiophenols on reduction with sodium borohydride followed by treatment with formaldehyde yield the desired 2H-3-(various substituted indol-3'-yl)methyl-1,3-benzothiazoles. All the newly synthesized compds. have been tested for their antimicrobial activity against E.coli, S.aureus, P.vulgaris and A.niger. Also compds. have been screened for their analgesic and anticatatonic activity. Some of the compds. exhibit significant activities.

IT 316156-09-9P 316156-10-2P 316156-11-3P
316156-12-4P 316156-13-5P 316156-14-6P
316156-15-7P 316156-16-8P 316156-17-9P
316156-18-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and condensation reaction with salicylaldehydes)

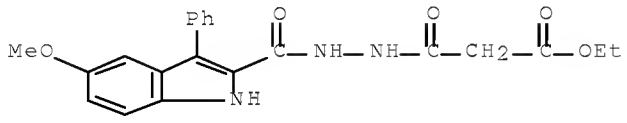
RN 316156-09-9 CAPLUS
CN Propanedioic acid, 1-ethyl ester, 3-[2-[(3-phenyl-1H-indol-2-yl)carbonyl]hydrazide] (CA INDEX NAME)



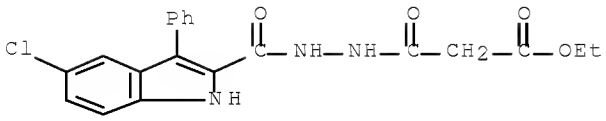
RN 316156-10-2 CAPLUS
CN Propanedioic acid, 1-ethyl ester, 3-[2-[(5-methyl-3-phenyl-1H-indol-2-yl)carbonyl]hydrazide] (CA INDEX NAME)



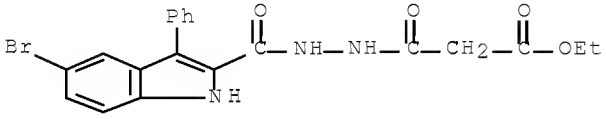
RN 316156-11-3 CAPLUS
CN Propanedioic acid, 1-ethyl ester, 3-[2-[(5-methoxy-3-phenyl-1H-indol-2-yl)carbonyl]hydrazide] (CA INDEX NAME)



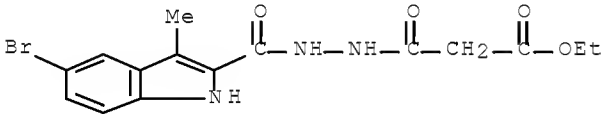
RN 316156-12-4 CAPLUS
CN Propanedioic acid, 1-ethyl ester, 3-[2-[(5-chloro-3-phenyl-1H-indol-2-yl)carbonyl]hydrazide] (CA INDEX NAME)



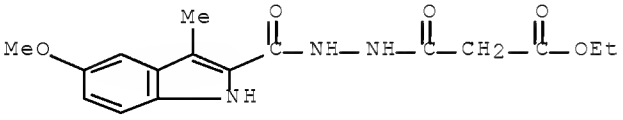
RN 316156-13-5 CAPLUS
CN Propanedioic acid, 1-ethyl ester, 3-[2-[(5-bromo-3-phenyl-1H-indol-2-yl)carbonyl]hydrazide] (CA INDEX NAME)



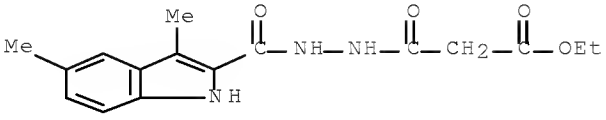
RN 316156-14-6 CAPLUS
CN Propanedioic acid, 1-ethyl ester, 3-[2-[(5-bromo-3-methyl-1H-indol-2-yl)carbonyl]hydrazide] (CA INDEX NAME)



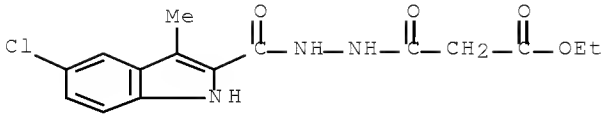
RN 316156-15-7 CAPLUS
CN Propanedioic acid, 1-ethyl ester, 3-[2-[(5-methoxy-3-methyl-1H-indol-2-yl)carbonyl]hydrazide] (CA INDEX NAME)



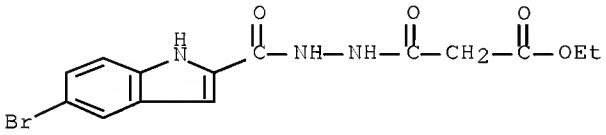
RN 316156-16-8 CAPLUS
CN Propanedioic acid, 1-ethyl ester, 3-[2-[(3,5-dimethyl-1H-indol-2-yl)carbonyl]hydrazide] (CA INDEX NAME)



RN 316156-17-9 CAPLUS
CN Propanedioic acid, 1-ethyl ester, 3-[2-[(5-chloro-3-methyl-1H-indol-2-yl)carbonyl]hydrazide] (CA INDEX NAME)

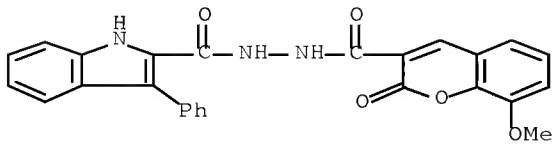


RN 316156-18-0 CAPLUS
CN Propanedioic acid, 1-ethyl ester, 3-[2-[(5-bromo-1H-indol-2-yl)carbonyl]hydrazide] (CA INDEX NAME)

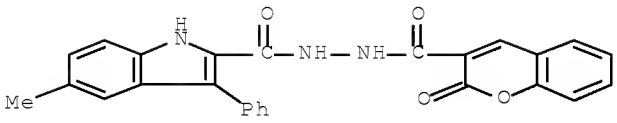


IT 316156-19-1P 316156-20-4P 316156-21-5P
316156-22-6P 316156-23-7P 316156-24-8P
316156-25-9P 316156-26-0P 316156-27-1P
316156-28-2P 316156-29-3P 316156-30-6P
316156-31-7P 316156-32-8P 316156-33-9P
316156-34-0P 316156-35-1P 316156-36-2P
316156-37-3P 316156-38-4P 316156-39-5P
316156-40-8P 316156-41-9P 316156-42-0P
316156-43-1P 316156-44-2P 316156-45-3P
316156-46-4P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(synthesis and pharmacol. evaluation of disubstituted indole(substituted benzopyranonecarboxyl)carboxy hydrazides and (various substituted indolyl)methylbenzothiazoles)

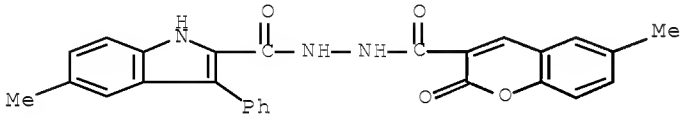
RN 316156-19-1 CAPLUS
CN 1H-Indole-2-carboxylic acid, 3-phenyl-, 2-[(8-methoxy-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX NAME)



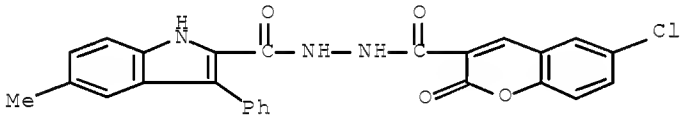
RN 316156-20-4 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methyl-3-phenyl-, 2-[(2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX NAME)



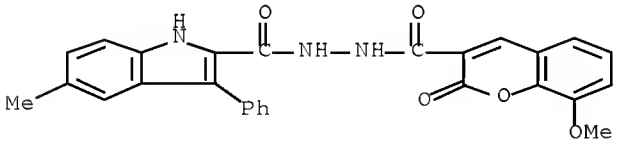
RN 316156-21-5 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methyl-3-phenyl-, 2-[(6-methyl-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX NAME)



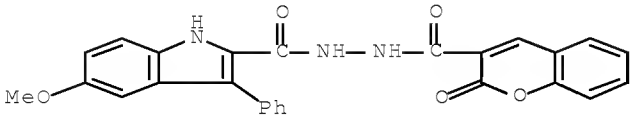
RN 316156-22-6 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methyl-3-phenyl-, 2-[(6-chloro-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX NAME)



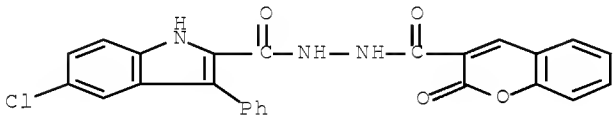
RN 316156-23-7 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methyl-3-phenyl-, 2-[(8-methoxy-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX NAME)



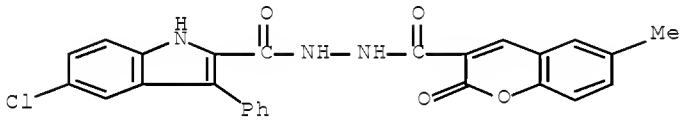
RN 316156-24-8 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methoxy-3-phenyl-, 2-[(2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX NAME)



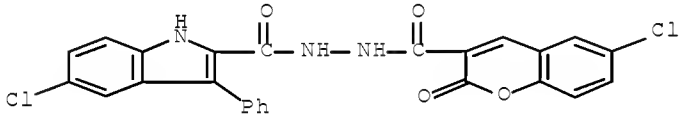
RN 316156-25-9 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-chloro-3-phenyl-, 2-[(2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX NAME)



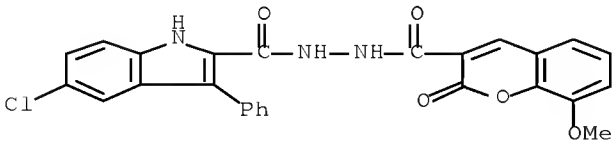
RN 316156-26-0 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-chloro-3-phenyl-, 2-[(6-methyl-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX NAME)



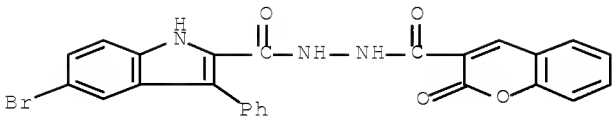
RN 316156-27-1 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-chloro-3-phenyl-, 2-[(6-chloro-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX NAME)



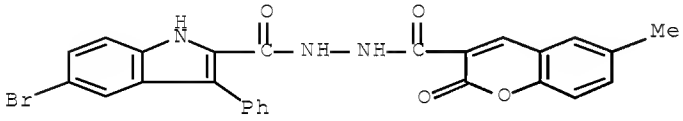
RN 316156-28-2 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-chloro-3-phenyl-, 2-[(8-methoxy-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX NAME)



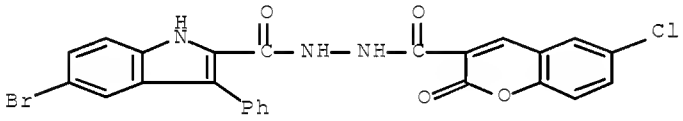
RN 316156-29-3 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-bromo-3-phenyl-, 2-[(2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX NAME)



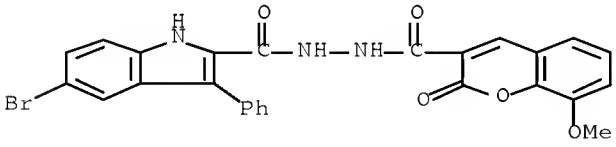
RN 316156-30-6 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-bromo-3-phenyl-, 2-[(6-methyl-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX NAME)



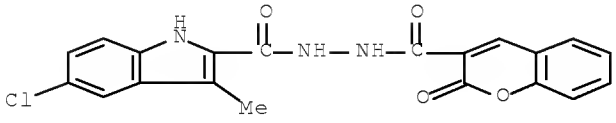
RN 316156-31-7 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-bromo-3-phenyl-, 2-[(6-chloro-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX NAME)



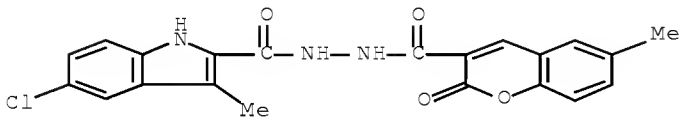
RN 316156-32-8 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-bromo-3-phenyl-, 2-[(8-methoxy-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX NAME)



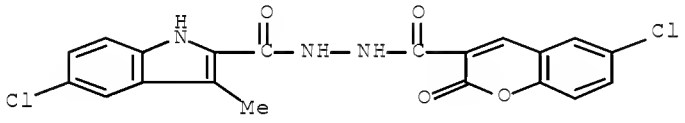
RN 316156-33-9 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-chloro-3-methyl-, 2-[(2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX NAME)



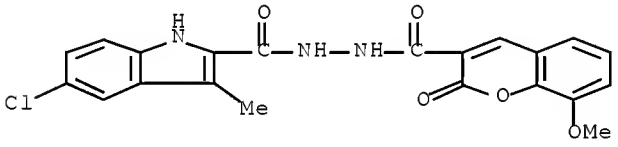
RN 316156-34-0 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-chloro-3-methyl-, 2-[(6-methyl-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX NAME)



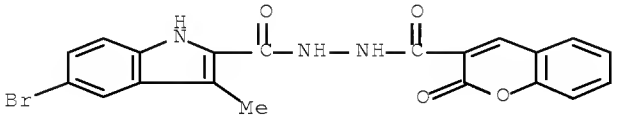
RN 316156-35-1 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-chloro-3-methyl-, 2-[(6-chloro-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX NAME)



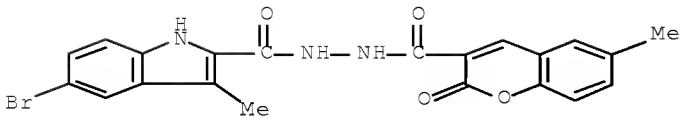
RN 316156-36-2 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-chloro-3-methyl-, 2-[(8-methoxy-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX NAME)



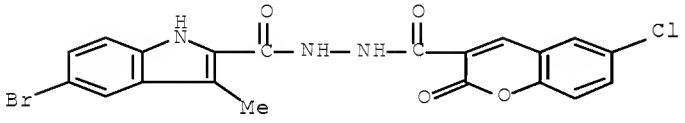
RN 316156-37-3 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-bromo-3-methyl-, 2-[(2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX NAME)



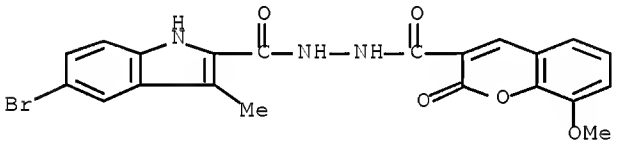
RN 316156-38-4 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-bromo-3-methyl-, 2-[(6-methyl-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX NAME)



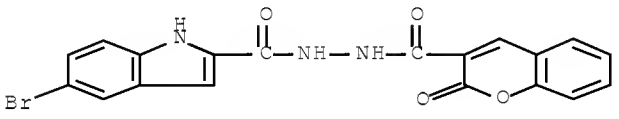
RN 316156-39-5 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-bromo-3-methyl-, 2-[(6-chloro-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX NAME)



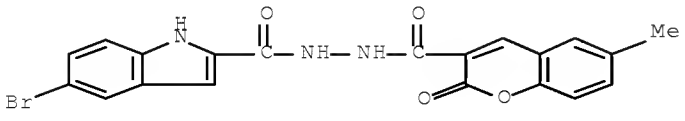
RN 316156-40-8 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-bromo-3-methyl-, 2-[(8-methoxy-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX NAME)



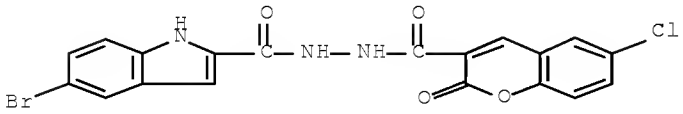
RN 316156-41-9 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-bromo-, 2-[(2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX NAME)



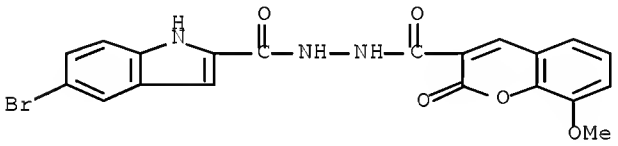
RN 316156-42-0 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-bromo-, 2-[(6-methyl-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX NAME)



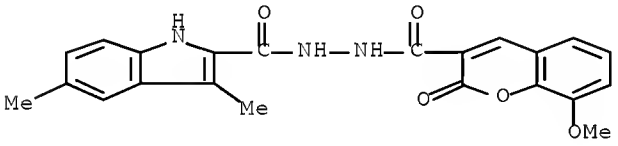
RN 316156-43-1 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-bromo-, 2-[(6-chloro-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX NAME)



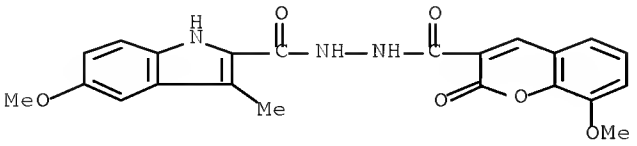
RN 316156-44-2 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-bromo-, 2-[(8-methoxy-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX NAME)



RN 316156-45-3 CAPLUS
CN 1H-Indole-2-carboxylic acid, 3,5-dimethyl-, 2-[(8-methoxy-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX NAME)



RN 316156-46-4 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methoxy-3-methyl-, 2-[(8-methoxy-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX NAME)



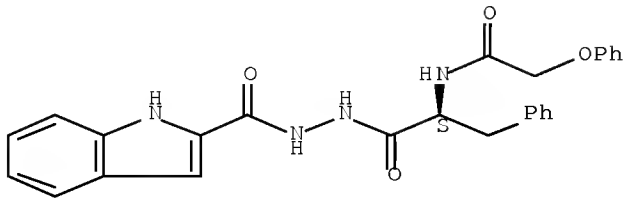
OSC.G 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD (4 CITINGS)
RE.CNT 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 13 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2000:420788 CAPLUS Full-text
DN 133:58622
TI Preparation of acylaminocarboxylic hydrazides as Neuropeptide Y receptor ligands
IN Monge Vega, Antonio; Aldana Moraza, Ignacio; Caignard, Daniel-Henri; Duhault, Jacques; Boutin, Jean; Della Zuana, Odile
PA Adir et Compagnie, Fr.
SO Eur. Pat. Appl., 38 pp.
CODEN: EPXXDW
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1010691	A2	20000621	EP 1999-403191	19991217 <--
	EP 1010691	A3	20020619		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	ES 2161594	A1	20011201	ES 1998-2626	19981217 <--
	ES 2161594	B1	20030401		
	CA 2292246	A1	20000617	CA 1999-2292246	19991213 <--
	JP 2000178240	A	20000627	JP 1999-352665	19991213 <--
	JP 3445204	B2	20030908		
	MX 9911645	A	20000731	MX 1999-11645	19991214 <--
	NO 9906250	A	20000619	NO 1999-6250	19991216 <--
	NO 314399	B1	20030317		
	BR 9907429	A	20000919	BR 1999-7429	19991216 <--
	US 6172108	B1	20010109	US 1999-464182	19991216 <--
	AU 9965289	A	20000622	AU 1999-65289	19991217 <--
	AU 763555	B2	20030724		
	ZA 9907733	A	20000629	ZA 1999-7733	19991217 <--
	CN 1260345	A	20000719	CN 1999-126182	19991217 <--
	HU 9904630	A2	20000828	HU 1999-4630	19991217 <--
	HU 9904630	A3	20030630		
	KR 2000057067	A	20000915	KR 1999-58529	19991217 <--
	NZ 501849	A	20000929	NZ 1999-501849	19991217 <--
	US 6271247	B1	20010807	US 2000-602538	20000623 <--
PRAI	ES 1998-2626	A	19981217		
	US 1999-464182	A3	19991216		

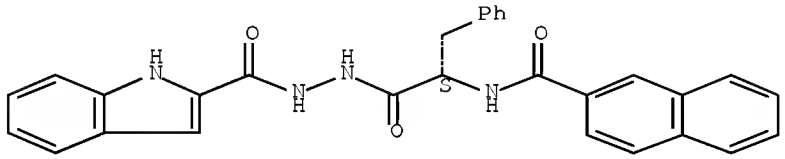
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OS MARPAT 133:58622
AB RZCONHNHZ1R1 [I; R = COZ2R2, COZ2R2, O2CZ2R2, SO0-2Z2R2; R1,R2 = (un)substituted (hetero)aryl(alkyl); Z = iminoalk(en)ylene, iminoalkylidene, iminoarylenealkylene, N-attached azacycloalkylene, etc.; Z1 = bond, CO, SO0-2; Z2 = bond, alk(en)ylene, alkynylene] were prepared Thus, PhCH2CH(NH2)CO2H was N-acylated by ClCO2CH2Ph and the product amidated by H2NNHPh to give PhCH2O2CNHCH(CH2Ph)CONHNHPh. Data for biol. activity of 1 prepared I were given.
IT 274934-35-9P 274934-43-9P 274934-52-0P
274934-73-5P 274934-84-8P 274934-91-7P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of acylaminocarboxylic hydrazides as Neuropeptide Y receptor ligands)
RN 274934-35-9 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-[1-oxo-2-[(2-phenoxyacetyl)amino]-3-phenylpropyl]hydrazide (CA INDEX NAME)

Absolute stereochemistry.



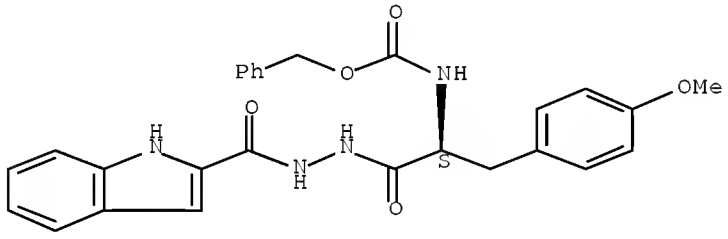
RN 274934-43-9 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-[2-[(2-naphthalenylcarbonyl)amino]-1-oxo-3-phenylpropyl]hydrazide (CA INDEX NAME)

Absolute stereochemistry.

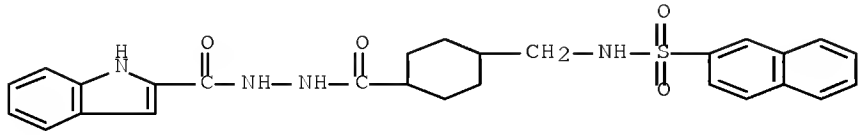


RN 274934-52-0 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-[3-(4-methoxyphenyl)-1-oxo-2-[[(phenylmethoxy)carbonyl]amino]propyl]hydrazide (CA INDEX NAME)

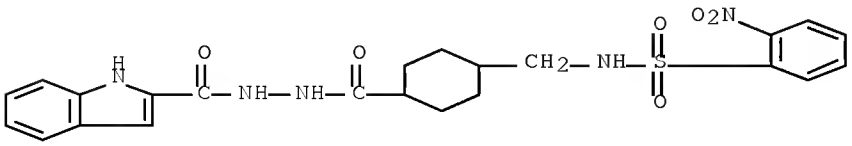
Absolute stereochemistry.



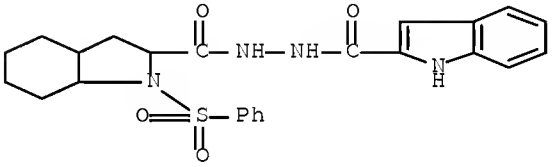
RN 274934-73-5 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-[[4-[[(2-naphthalenylsulfonyl)amino]methyl]cyclohexyl]carbonyl]hydrazide (CA INDEX NAME)



RN 274934-84-8 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-[[4-[[[(2-nitrophenyl)sulfonyl]amino]methyl]cyclohexyl]carbonyl]hydrazide (CA INDEX NAME)



RN 274934-91-7 CAPLUS
CN 1H-Indole-2-carboxylic acid, octahydro-1-(phenylsulfonyl)-, 2-(1H-indol-2-ylcarbonyl)hydrazide (CA INDEX NAME)



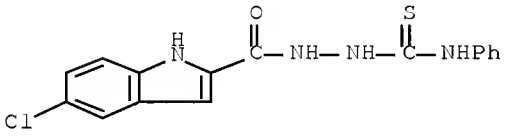
OSC.G 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD (6 CITINGS)
RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 14 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2000:114190 CAPLUS Full-text
DN 132:251114
TI Synthesis and biological evaluation of indole containing derivatives of thiosemicarbazide and their cyclic 1,2,4-triazole and 1,3,4-thiadiazole analogs
AU Varvaresou, Athanasia; Tsantili-Kakoulidou, Anna; Siatra-Papastaikoudi, Theodora; Tiligada, Ekaterini
CS Division of Pharmaceutical Chemistry, Department of Pharmacy, University of Athens, Athens, Greece
SO Arzneimittel-Forschung (2000), 50(1), 48-54
CODEN: ARZNAD; ISSN: 0004-4172
PB Editio Cantor Verlag
DT Journal
LA English
AB New indolic derivs. of thiosemicarbazides and some cyclic 1,2,4-triazol-5-thione analogs were synthesized. The newly synthesized compds. as well as some indole-containing thiosemicarbazides, 1,2,4-triazoles and 1,3,4-thiadiazoles, which were reported previously, were investigated for antimicrobial, antifungal and antiphage activity. Certain thiosemicarbazide derivs. and the corresponding cyclic 1,2,4-triazole analogs showed selective antimicrobial or antifungal activity, while they lack any antiphage activity. Antiphage activity was detected for one compound, bearing the 1,3,4-thiadiazole nucleus. The selectively active compds. cover a wide range of lipophilicity. Structure-activity relations show a remarkably similarity in the antimicrobial and antifungal behavior of the thiosemicarbazides and their cyclic triazo-5-thienyl analogs, while α-naphthyl substitution in the non

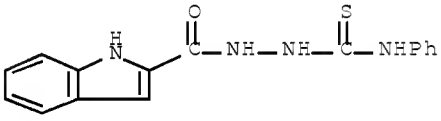
indolic portion of the mol. is favorable. C5 substitution on the indolic nucleus may also be critical for selective activity.

IT 126016-01-1P 152586-37-3P 156550-11-7P
262448-73-7P 262448-74-8P 262448-75-9P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation and biol. evaluation of indole-containing derivs. of thiosemicarbazide and their triazole and thiadiazole analogs)

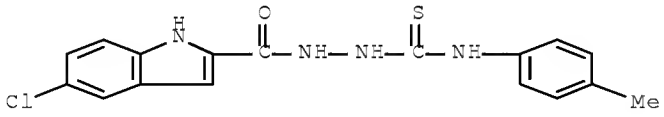
RN 126016-01-1 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



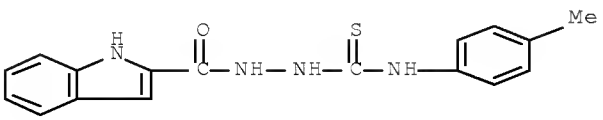
RN 152586-37-3 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



RN 156550-11-7 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-[[(4-methylphenyl)amino]thioxomethyl]hydrazide (CA INDEX NAME)

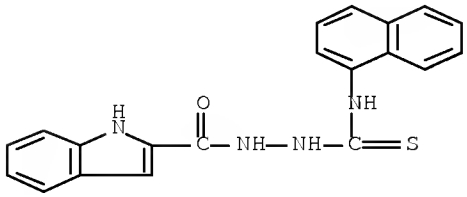


RN 262448-73-7 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-[[(4-methylphenyl)amino]thioxomethyl]hydrazide (CA INDEX NAME)

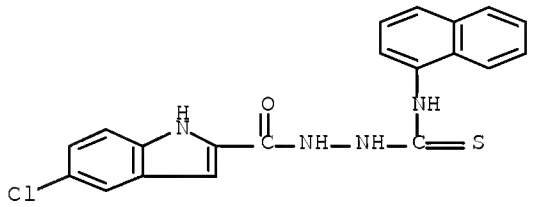


RN 262448-74-8 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-[(1-naphthalenylamino)thioxomethyl]hydrazide (CA INDEX NAME)

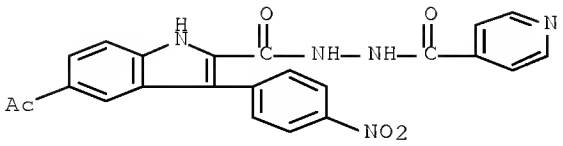


RN 262448-75-9 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-[(1-naphthalenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



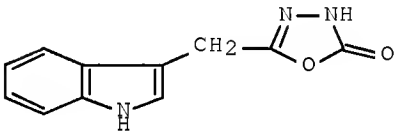
OSC.G 23 THERE ARE 23 CAPLUS RECORDS THAT CITE THIS RECORD (23 CITINGS)
RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 15 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1998:188843 CAPLUS Full-text
DN 128:243909
OREF 128:48293a,48296a
TI Synthesis of the derivatives of 3-(p-nitrophenyl)-5-acetylindole-2-carbonic acid
AU Narimanidze, N.; Samsonia, Sh.; Chikvaidze, I.
CS Georgia
SO Bulletin of the Georgian Academy of Sciences (1997), 156(1), 63-65
CODEN: BGASFC
PB Georgian Academy of Sciences
DT Journal
LA English
AB By the reaction of 2-ethoxycarbonyl-3-(p-nitrophenyl)-5-acetylindole with the thionyl chloride the chloroanhydride of the corresponding acid has been obtained. By the reaction of 3-(p-nitrophenyl)-5-acetylindole-2-carbonic acid chloroanhydride with the amines, hydrazines the amides and hydrazides have been obtained.
IT 204858-02-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 204858-02-6 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-acetyl-3-(4-nitrophenyl)-, 2-(4-pyridinylcarbonyl)hydrazide (CA INDEX NAME)



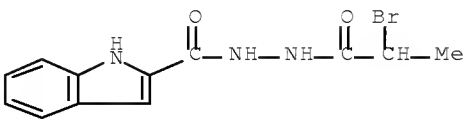
RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 16 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1997:751966 CAPLUS Full-text
DN 128:61481
OREF 128:12043a,12046a
TI Synthesis of new indolyl-1,3,4-oxadiazole and oxadiazine derivatives. Potential monoamine oxidase inhibitor activity
AU Perez, Silvia; Lasheras, Berta; Oset, Carmen; Monge, Antonio
CS Department of Organic and Pharmaceutical Chemistry, University of Navarra, Pamplona, 31080, Spain
SO Journal of Heterocyclic Chemistry (1997), 34(5), 1527-1533
CODEN: JHTCAD; ISSN: 0022-152X
PB HeteroCorporation
DT Journal
LA English
GI



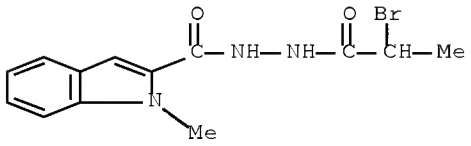
I

AB New indolyl-1,3,4-oxadiazole and oxadiazine derivs. were prepared as reversible monoamine oxidase inhibitors. The compound 5-[(1H-indol-3-yl)methyl]-1,3,4-oxadiazol-2(3H)one (I) was shown to be a good monoamine oxidase B inhibitor.
IT 200062-16-4P 200062-17-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of (indolyl)oxadiazole and (indolyl)oxadiazine derivs.)
RN 200062-16-4 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-(2-bromo-1-oxopropyl)hydrazide (CA INDEX NAME)



RN 200062-17-5 CAPLUS

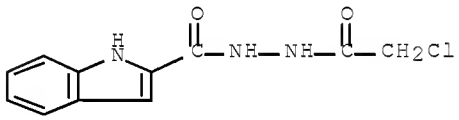
CN 1H-Indole-2-carboxylic acid, 1-methyl-, 2-(2-bromo-1-oxopropyl)hydrazide (CA INDEX NAME)



IT 37574-76-8P 200062-09-5P 200062-10-8P
200062-11-9P 200062-12-0P 200062-18-6P
200062-19-7P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of (indolyl)oxadiazole and (indolyl)oxadiazine derivs.)

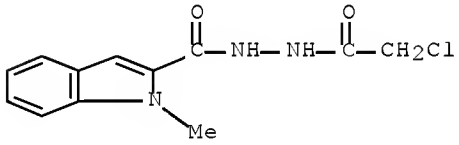
RN 37574-76-8 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-(2-chloroacetyl)hydrazide (CA INDEX NAME)



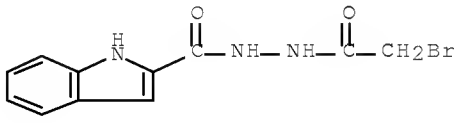
RN 200062-09-5 CAPLUS

CN 1H-Indole-2-carboxylic acid, 1-methyl-, 2-(2-chloroacetyl)hydrazide (CA INDEX NAME)



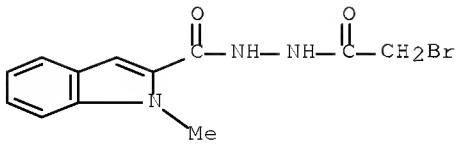
RN 200062-10-8 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-(2-bromoacetyl)hydrazide (CA INDEX NAME)

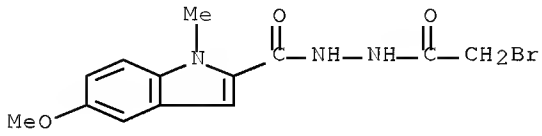


RN 200062-11-9 CAPLUS

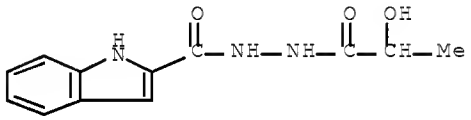
CN 1H-Indole-2-carboxylic acid, 1-methyl-, 2-(2-bromoacetyl)hydrazide (CA INDEX NAME)



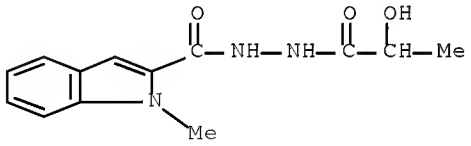
RN 200062-12-0 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methoxy-1-methyl-, 2-(2-bromoacetyl)hydrazide (CA INDEX NAME)



RN 200062-18-6 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-(2-hydroxy-1-oxopropyl)hydrazide (CA INDEX NAME)



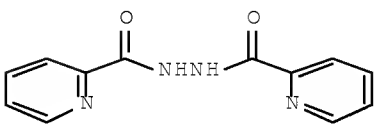
RN 200062-19-7 CAPLUS
CN 1H-Indole-2-carboxylic acid, 1-methyl-, 2-(2-hydroxy-1-oxopropyl)hydrazide (CA INDEX NAME)

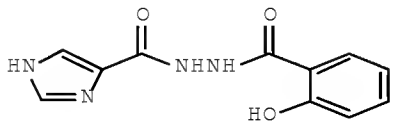


OSC.G 13 THERE ARE 13 CAPLUS RECORDS THAT CITE THIS RECORD (13 CITINGS)
RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 17 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1997:216188 CAPLUS Full-text
DN 126:263678
OREF 126:51069a,51072a
TI Pentafluorophenyl ester activation for the preparation of N,N'-diaroylhydrazines
AU Zhao, He; Burke, Terrence R., Jr.
CS Lab. Medicinal Chem., National Inst. Health, Bethesda, MD, 20892, USA
SO Tetrahedron (1997), 53(12), 4219-4230

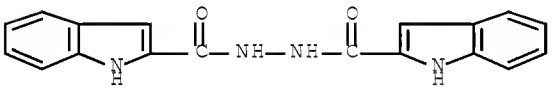
CODEN: TETRAB; ISSN: 0040-4020
PB Elsevier
DT Journal
LA English
OS CASREACT 126:263678
GI


I


II

AB Procedures are reported for the preparation of N,N'-diaroylhydrazines, e.g., I and II, using pentafluorophenyl (Pfp) ester activation of aryl carboxylic acids. Mild conditions which avoid intermediate protection of ring substituents, allows the synthesis of both sym. and unsym. diaroylhydrazines in high yields. The recent discovery of potent HIV-1 integrase inhibition by N,N'-bis-salicylhydrazine highlights the potential importance of this class of compds. The stability of pre-activated Pfp ester intermediates and the facility with which N,N'-diaroylhydrazines can be synthesized using this procedure (stirring at room temperature in DMF) may make the method particularly attractive for synthesis of hydrazide libraries.

IT 188837-57-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of diaroylhydrazines via pentafluorophenyl esters)
RN 188837-57-2 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-(1H-indol-2-ylcarbonyl)hydrazide (CA INDEX NAME)



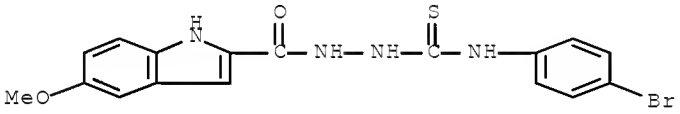
OSC.G 21 THERE ARE 21 CAPLUS RECORDS THAT CITE THIS RECORD (21 CITINGS)
RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 18 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1996:512458 CAPLUS Full-text
DN 125:195347
OREF 125:36583a,36586a
TI Synthesis and antimicrobial activity of triazolylindoles and indolylthiazolidinones
AU Sonar, V.N.; Neelavati, C.V.; Pranesh, G.
CS Department of Pharmaceutical Chemistry, V.L. College of Pharmacy, Raichur, 584 101, India
SO Indian Journal of Heterocyclic Chemistry (1996), 5(4), 269-272
CODEN: IJCHEI; ISSN: 0971-1627
PB Lucknow University, Dep. of Chemistry
DT Journal
LA English

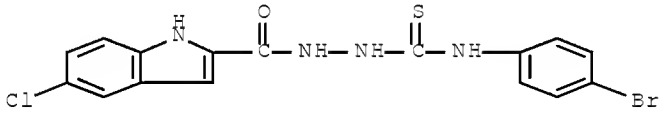
AB Several new 2-[5-mercapto-4-(p-bromophenyl)-1,2,4-triazol-3-yl]indoles and 3-(substituted-indole-2-carboxamido)-2-(p-bromophenylimino)-4- thiazolidinones were synthesized starting from thioureas, which were allowed to react with 4% sodium hydroxide and chloroacetic acid in presence of sodium acetate resp. The required thioureas were prepared by reacting indole-2-carbohydrazides with p-bromophenyl isothiocyanate. All the synthesized compds. were screened for their antimicrobial activity.

IT 156550-19-5P 156550-21-9P 181026-40-4P
181026-41-5P 181026-42-6P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation and antimicrobial activity of triazolylindoles and indolylthiazolidinones)

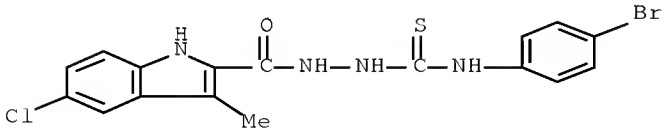
RN 156550-19-5 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methoxy-, 2-[[(4-bromophenyl)amino]thioxomethyl]hydrazide (CA INDEX NAME)



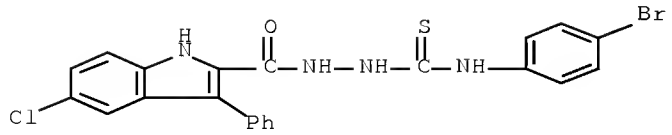
RN 156550-21-9 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-[[(4-bromophenyl)amino]thioxomethyl]hydrazide (CA INDEX NAME)



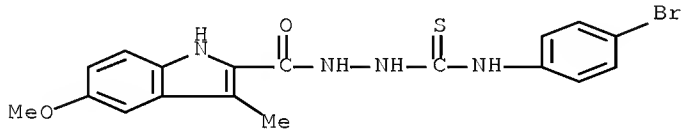
RN 181026-40-4 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-chloro-3-methyl-, 2-[[(4-bromophenyl)amino]thioxomethyl]hydrazide (CA INDEX NAME)



RN 181026-41-5 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-chloro-3-phenyl-, 2-[[(4-bromophenyl)amino]thioxomethyl]hydrazide (CA INDEX NAME)



RN 181026-42-6 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methoxy-3-methyl-, 2-[[(4-bromophenyl)amino]thioxomethyl]hydrazide (CA INDEX NAME)

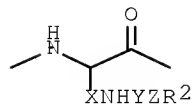


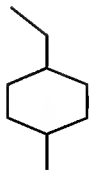
OSC.G 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)

L5 ANSWER 19 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1995:573685 CAPLUS Full-text
DN 123:33649
OREF 123:6239a,6242a
TI Preparation of 6-position modified decapeptide LHRH antagonists
IN Greer, Jonathan; Haviv, Fortuna; Fitzpatrick, Timothy D.; Swenson, Rolf E.; Nichols, Charles J.; Mort, Nicholas A.
PA Abbott Laboratories, USA
SO PCT Int. Appl., 86 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
PI	WO 9413313	A1	19940623	WO 1993-US11628	19931130	<--
	W: CA, JP, US					
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE					
	CA 2136078	A1	19940623	CA 1993-2136078	19931130	<--
	EP 673254	A1	19950927	EP 1994-903367	19931130	<--
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE					
	JP 08504209	T	19960507	JP 1993-514229	19931130	<--
	US 5698522	A	19971216	US 1995-446809	19950601	<--
PRAI	US 1992-987921	A	19921204			
	WO 1993-US11628	W	19931130			

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OS MARPAT 123:33649
GI

Q1= 

Q2= 

AB A-D-E-G-J-L-M-Q-R-T [A = N-acetyl-D-3-(naphth-2-yl)alanyl, N-acetyl-D-phenylalanyl, N-acetylsarcosyl, etc.; D = D-Phe, D-3-(4-chlorophenyl)alanyl, D-3-(4-fluorophenyl)alanyl, etc.; E = D-3-(pyrid-3-yl)alanyl, D-3-(thiazol-2-yl)alanyl, etc.; G = Ser, Ser(OBzl), etc.; J = N(R1)-L-[3-(4-(3-amino-1,2,4-triazol-5- yl)aminophenyl)]alanyl, N(R1)-L-tyrosyl, N(R1)-L-homoarginyl, etc.; R1 = H, alkyl; L = Q1; X = (CH2)n, Q2; n = 1-6; Y = D- or L-Ala, 4-aminobutyryl, 5-aminopentanoyl, azaglycyl, D-leucyl, D-valyl, etc.; Z = null, D-alanyl, azaglycyl, Gly, D-cyclohexylalanyl, D-His, D-Phe, etc.; R2 = 3-amino-1,2,4-triazol-5-yl, Ac, biotinyl, 2-furoyl, isonicotinoyl, (substituted) PhCO, etc.; M = Leu, Val, L-cyclohexylalanyl, etc. Q = L-citrullyl, L-homocitrullyl, Arg, etc.; R = Pro, N(R1)-Ala; T = NHEt, D-alanylamide, D-serylamide, sarcosamide, etc.], were prepared Thus, Ac-D-2-Nal-D-4-Cl-Phe-D-3-Pal-Ser-NMeTyr-D-Lys(Nε- glycylnicotinoyl)-Leu-Lys(Nε-isopropyl)-Pro-D-Ala-NH2 [2-Nal = 3-(naphth-2-yl)alanyl, 4-Cl-Phe = 3-(4-chlorophenyl)alanyl, 3-Pal = 3-(pyrid-3-yl)alanyl] , prepared on methylbenzhydrylamine resin, antagonized LHRH with pA2 = 11.45.

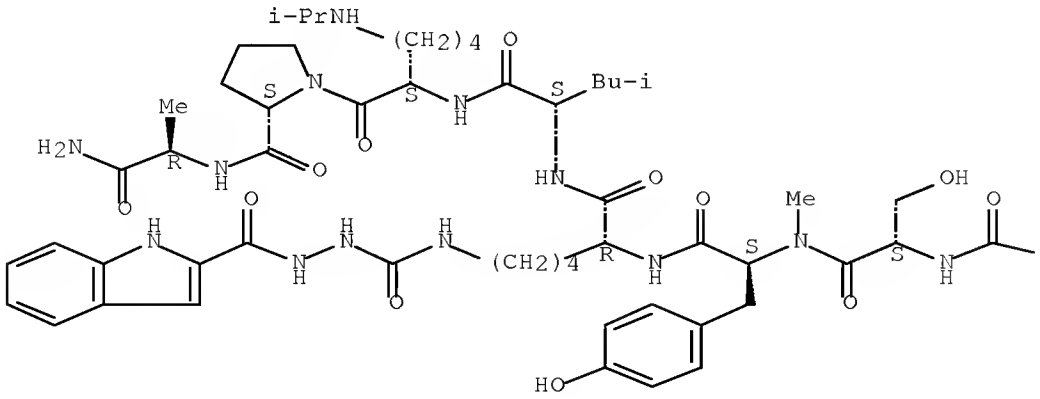
IT 163334-02-9P 163334-04-1P 163334-14-3P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 6-position modified decapeptide LHRH antagonists)

RN 163334-02-9 CAPLUS

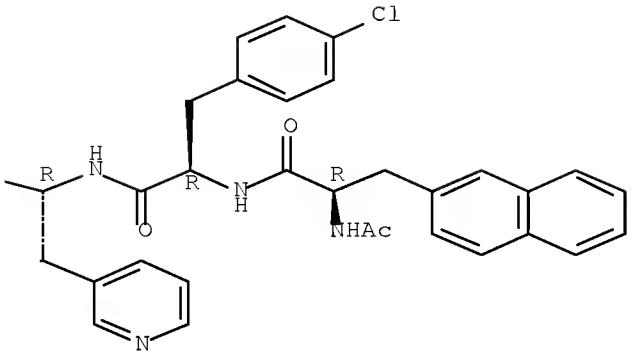
CN D-Alaninamide, N-acetyl-3-(2-naphthalenyl)-D-alanyl-4-chloro-D-phenylalanyl-3-(3-pyridinyl)-D-alanyl-L-seryl-N-methyl-L-tyrosyl-N6-[[2-(1H-indol-2-ylcarbonyl)hydrazino]carbonyl]-D-lysyl-L-leucyl-N6-(1-methylethyl)-L-lysyl-L-prolyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



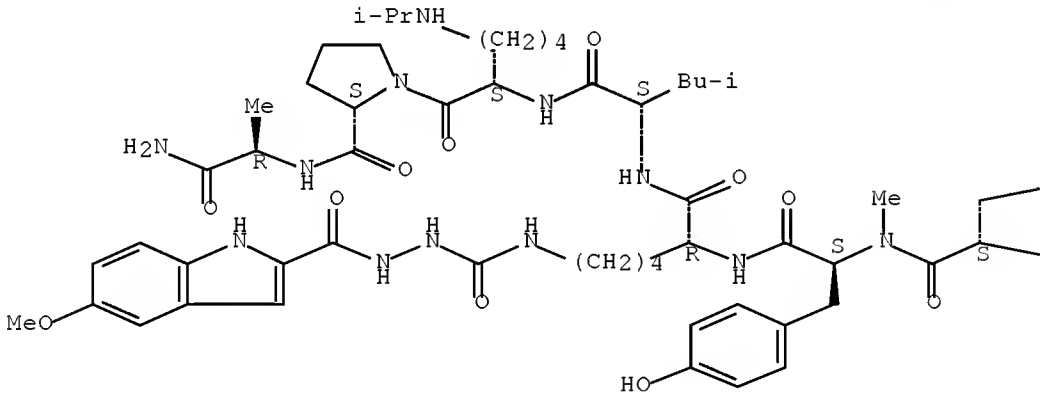
PAGE 1-B



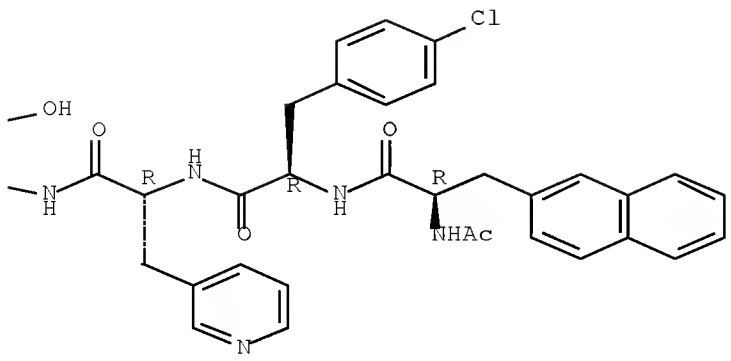
RN 163334-04-1 CAPLUS
CN D-Alaninamide, N-acetyl-3-(2-naphthalenyl)-D-alanyl-4-chloro-D-phenylalanyl-3-(3-pyridinyl)-D-alanyl-L-seryl-N-methyl-L-tyrosyl-N6-[[2-[(5-methoxy-1H-indol-2-yl)carbonyl]hydrazino]carbonyl]-D-lysyl-L-leucyl-N6-(1-methylethyl)-L-lysyl-L-prolyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



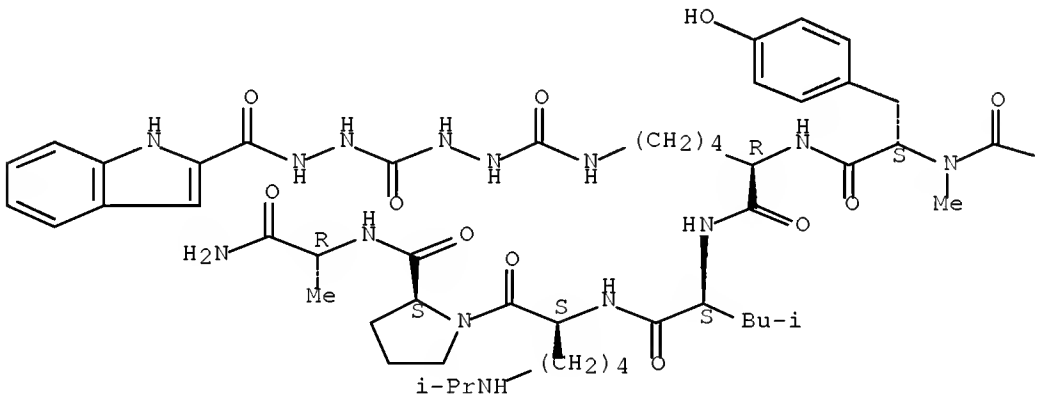
PAGE 1-B

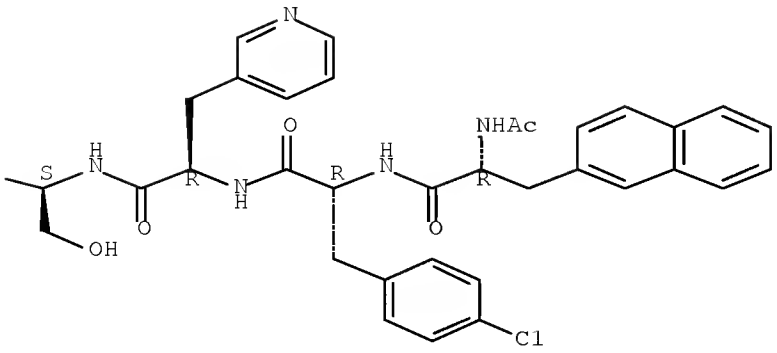


RN 163334-14-3 CAPLUS
CN D-Alaninamide, N-acetyl-3-(2-naphthalenyl)-D-alanyl-4-chloro-D-phenylalanyl-3-(3-pyridinyl)-D-alanyl-L-seryl-N-methyl-L-tyrosyl-N6-[[2-[[2-(1H-indol-2-ylcarbonyl)hydrazino]carbonyl]hydrazino]carbonyl]-D-lysyl-L-leucyl-N6-(1-methylethyl)-L-lysyl-L-prolyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

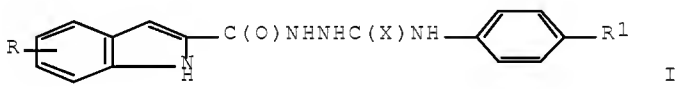
PAGE 1-A





OSC.G 5 THERE ARE 5 CAPLUS RECORDS THAT CITE THIS RECORD (5 CITINGS)
RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 20 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1994:482943 CAPLUS Full-text
DN 121:82943
OREF 121:14897a,14900a
TI Synthesis and biological activities of indolyl thiosemicarbazides and semicarbazides
AU Hiremath, S. P.; Biradar, J. S.; Nazeer, S.; Padashetty, N. S.
CS Dep. Chem., Gulbarga Univ., Gulbarga, India
SO Acta Ciencia Indica, Chemistry (1992), 18(4), 397-400
CODEN: ACICDV; ISSN: 0253-7338
DT Journal
LA English
GI



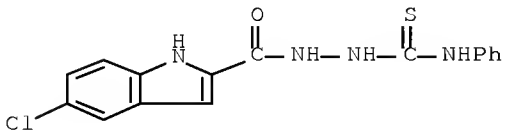
I

AB Substituted ethylindole-2-carboxylates were prepared by Fischer indolization. These esters were converted to hydrazides on reaction with hydrazine hydrate. Hydrazides were made to react with isothiocyanates and isocyanates to obtain thiosemicarbazides and semicarbazides (I; X = S, O; R = 5-Br, 5-MeO, etc.; R1 = H, Me, Cl, etc.). Very good microbicidal activity was observed with the compds. prepared

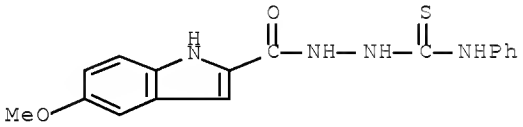
IT 126016-01-1P 126016-03-3P 126016-06-6P
156550-02-6P 156550-03-7P 156550-04-8P
156550-05-9P 156550-06-0P 156550-07-1P
156550-08-2P 156550-09-3P 156550-10-6P
156550-11-7P 156550-12-8P 156550-13-9P
156550-14-0P 156550-15-1P 156550-16-2P
156550-17-3P 156550-18-4P 156550-19-5P
156550-20-8P 156550-21-9P 156550-22-0P
156550-23-1P 156550-24-2P 156550-25-3P
156550-26-4P 156550-27-5P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological

study); PREP (Preparation)
(preparation and bactericidal and fungicidal activities of)

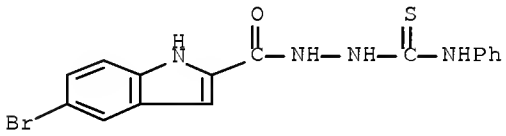
RN 126016-01-1 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-chloro-,
2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



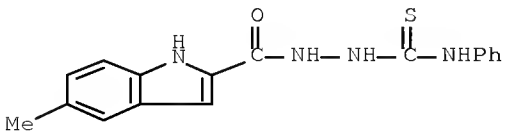
RN 126016-03-3 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methoxy-,
2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



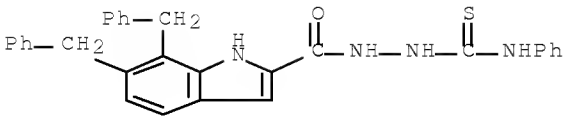
RN 126016-06-6 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-bromo-,
2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



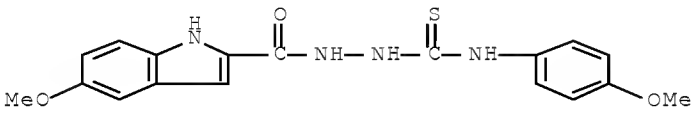
RN 156550-02-6 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methyl-,
2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



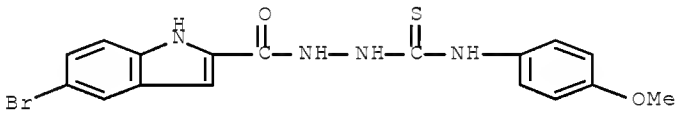
RN 156550-03-7 CAPLUS
CN 1H-Indole-2-carboxylic acid, 6,7-bis(phenylmethyl)-,
2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



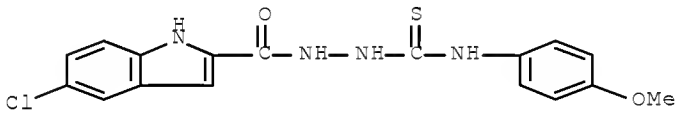
RN 156550-04-8 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methoxy-,
2-[[(4-methoxyphenyl)amino]thioxomethyl]hydrazide (CA INDEX NAME)



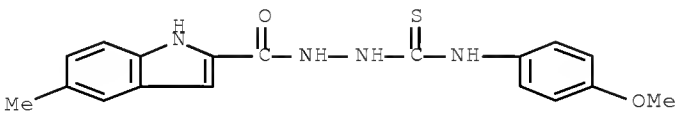
RN 156550-05-9 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-bromo-,
2-[[(4-methoxyphenyl)amino]thioxomethyl]hydrazide (CA INDEX NAME)



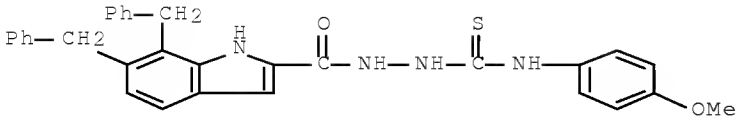
RN 156550-06-0 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-chloro-,
2-[[(4-methoxyphenyl)amino]thioxomethyl]hydrazide (CA INDEX NAME)



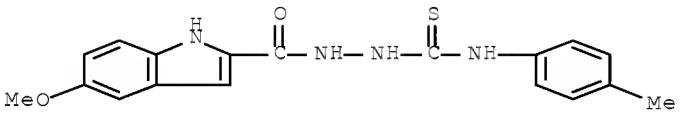
RN 156550-07-1 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methyl-,
2-[[(4-methoxyphenyl)amino]thioxomethyl]hydrazide (CA INDEX NAME)



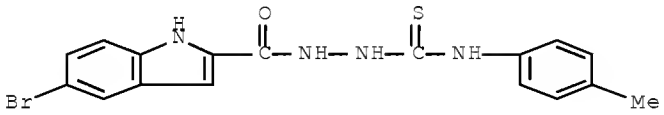
RN 156550-08-2 CAPLUS
CN 1H-Indole-2-carboxylic acid, 6,7-bis(phenylmethyl)-,
2-[[(4-methoxyphenyl)amino]thioxomethyl]hydrazide (CA INDEX NAME)



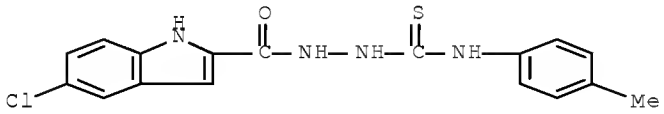
RN 156550-09-3 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methoxy-,
2-[[(4-methylphenyl)amino]thioxomethyl]hydrazide (CA INDEX NAME)



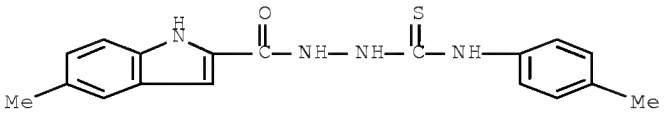
RN 156550-10-6 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-bromo-,
2-[[(4-methylphenyl)amino]thioxomethyl]hydrazide (CA INDEX NAME)



RN 156550-11-7 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-chloro-,
2-[[(4-methylphenyl)amino]thioxomethyl]hydrazide (CA INDEX NAME)

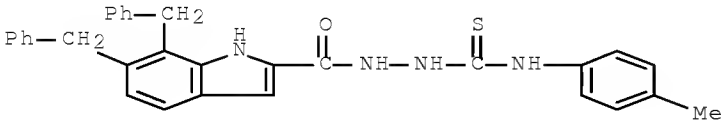


RN 156550-12-8 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methyl-,
2-[[(4-methylphenyl)amino]thioxomethyl]hydrazide (CA INDEX NAME)

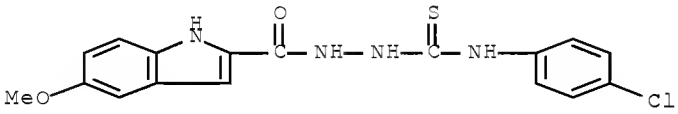


RN 156550-13-9 CAPLUS

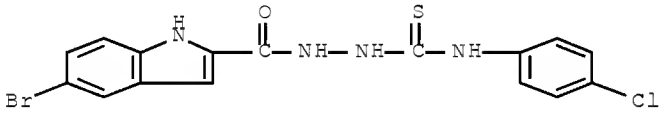
CN 1H-Indole-2-carboxylic acid, 6,7-bis(phenylmethyl)-,
2-[[(4-methylphenyl)amino]thioxomethyl]hydrazide (CA INDEX NAME)



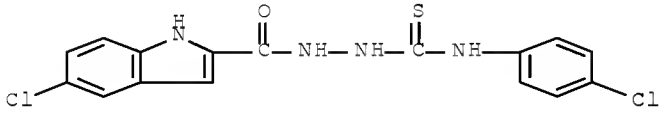
RN 156550-14-0 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methoxy-,
2-[[(4-chlorophenyl)amino]thioxomethyl]hydrazide (CA INDEX NAME)



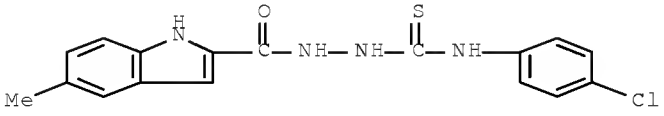
RN 156550-15-1 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-bromo-,
2-[[(4-chlorophenyl)amino]thioxomethyl]hydrazide (CA INDEX NAME)



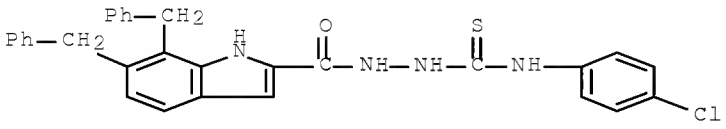
RN 156550-16-2 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-chloro-,
2-[[(4-chlorophenyl)amino]thioxomethyl]hydrazide (CA INDEX NAME)



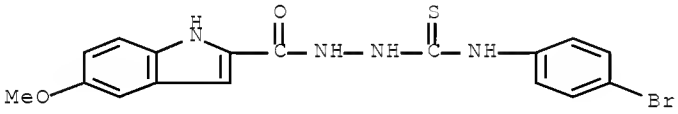
RN 156550-17-3 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methyl-,
2-[[(4-chlorophenyl)amino]thioxomethyl]hydrazide (CA INDEX NAME)



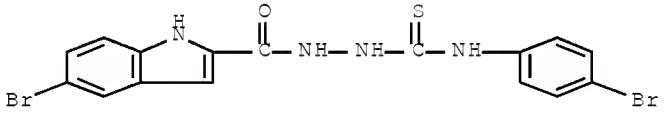
RN 156550-18-4 CAPLUS
CN 1H-Indole-2-carboxylic acid, 6,7-bis(phenylmethyl)-, 2-[[(4-chlorophenyl)amino]thioxomethyl]hydrazide (CA INDEX NAME)



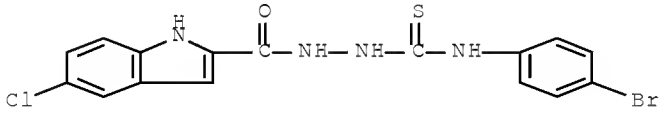
RN 156550-19-5 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methoxy-, 2-[[(4-bromophenyl)amino]thioxomethyl]hydrazide (CA INDEX NAME)



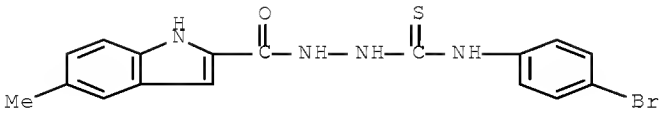
RN 156550-20-8 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-bromo-, 2-[[(4-bromophenyl)amino]thioxomethyl]hydrazide (CA INDEX NAME)



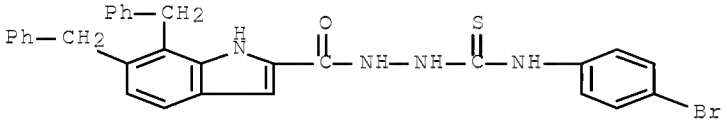
RN 156550-21-9 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-[[(4-bromophenyl)amino]thioxomethyl]hydrazide (CA INDEX NAME)



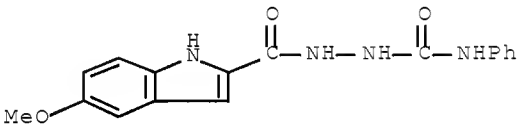
RN 156550-22-0 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methyl-, 2-[[(4-bromophenyl)amino]thioxomethyl]hydrazide (CA INDEX NAME)



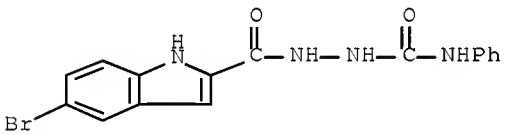
RN 156550-23-1 CAPLUS
CN 1H-Indole-2-carboxylic acid, 6,7-bis(phenylmethyl)-, 2-[[(4-bromophenyl)amino]thioxomethyl]hydrazide (CA INDEX NAME)



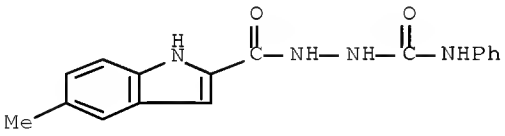
RN 156550-24-2 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methoxy-, 2-[(phenylamino)carbonyl]hydrazide (CA INDEX NAME)



RN 156550-25-3 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-bromo-, 2-[(phenylamino)carbonyl]hydrazide (CA INDEX NAME)

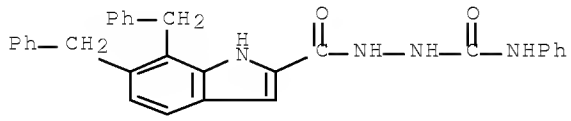


RN 156550-26-4 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methyl-, 2-[(phenylamino)carbonyl]hydrazide (CA INDEX NAME)



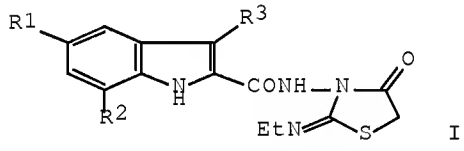
RN 156550-27-5 CAPLUS

CN 1H-Indole-2-carboxylic acid, 6,7-bis(phenylmethyl)-, 2-[(phenylamino)carbonyl]hydrazide (CA INDEX NAME)



OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

L5 ANSWER 21 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1994:435419 CAPLUS Full-text
DN 121:35419
OREF 121:6543a,6546a
TI Synthesis and antibacterial activity of indolylthiazolidinones
AU Sonar, V.N.; Sirajuddin, M.
CS V.L. Coll. Pharm., Raichur, 584 101, India
SO Indian Journal of Heterocyclic Chemistry (1993), 3(2), 107-10
CODEN: IJCHEI; ISSN: 0971-1627
DT Journal
LA English
GI

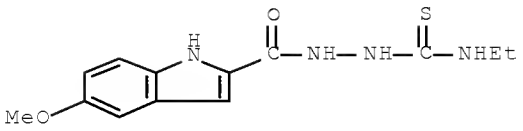


I

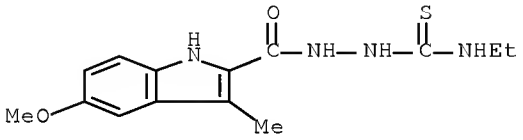
AB Substituted indole-2-carboxylates were reacted with hydrazine hydrate to give the corresponding carboxyhydrazides. These hydrazides on being condensed with Et isothiocyanate gave 1-ethyl-3-(substituted-indole-2'-carboxamido)thioureas, which on treatment with chloroacetic acid in presence of sodium acetate in acetic acid afforded corresponding the title compds. I (R1 = MeO, Cl, Br, Me; R2 = H, Br; R3 = H, Me, Ph) in good yields.

IT 155636-28-5P 155636-29-6P 155636-30-9P
155636-31-0P 155636-32-1P 155636-33-2P
155636-34-3P 155636-35-4P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and cyclization of, with chloroacetic acid)

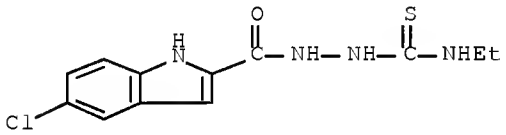
RN 155636-28-5 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methoxy-, 2-[(ethylamino)thioxomethyl]hydrazide (CA INDEX NAME)



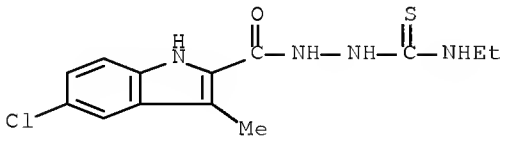
RN 155636-29-6 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methoxy-3-methyl-, 2-[(ethylamino)thioxomethyl]hydrazide (CA INDEX NAME)



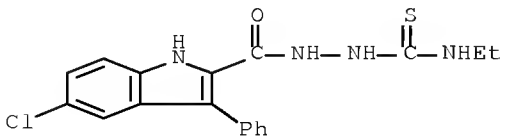
RN 155636-30-9 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-[(ethylamino)thioxomethyl]hydrazide (CA INDEX NAME)



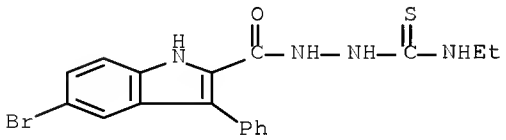
RN 155636-31-0 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-chloro-3-methyl-, 2-[(ethylamino)thioxomethyl]hydrazide (CA INDEX NAME)



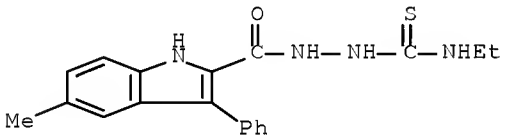
RN 155636-32-1 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-chloro-3-phenyl-, 2-[(ethylamino)thioxomethyl]hydrazide (CA INDEX NAME)



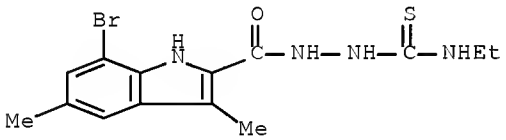
RN 155636-33-2 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-bromo-3-phenyl-, 2-[(ethylamino)thioxomethyl]hydrazide (CA INDEX NAME)



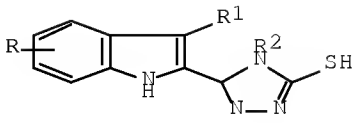
RN 155636-34-3 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methyl-3-phenyl-, 2-[(ethylamino)thioxomethyl]hydrazide (CA INDEX NAME)



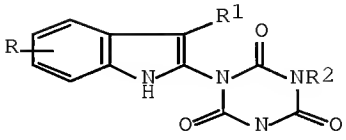
RN 155636-35-4 CAPLUS
CN 1H-Indole-2-carboxylic acid, 7-bromo-3,5-dimethyl-, 2-[(ethylamino)thioxomethyl]hydrazide (CA INDEX NAME)



L5 ANSWER 22 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1994:164124 CAPLUS Full-text
DN 120:164124
OREF 120:28955a,28958a
TI Synthesis of biheterocycles containing indole nucleus
AU Hiremath, S. P.; Bajji, A. C.; Biradar, J. S.
CS Dep. Chem., Gulbarga Univ., Gulbarga, 585 106, India
SO Proceedings of the National Academy of Sciences, India, Section A: Physical Sciences (1992), 62(2), 161-6
CODEN: PAIAA3; ISSN: 0369-8203
DT Journal
LA English
GI



I

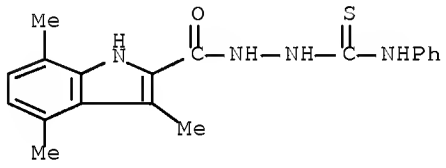


II

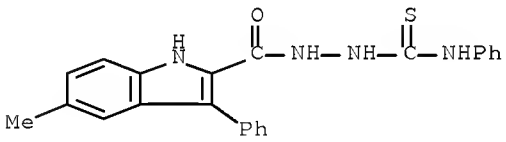
AB (Indolyl)triazolethioles I (R = alkyl, alkoxy; R1 = alkyl, phenyl; R2 = aryl) and (indolyl)pyrimidinetriones II (R = halo, alkyl, alkoxy; R2 = hydrogen, alkyl; R2 = aryl) were prepared and tested for antimicrobial activity.

IT 117844-56-1P 121649-91-0P 121674-03-1P
148372-27-4P 148372-28-5P 148372-29-6P
148372-30-9P 152586-36-2P 152586-37-3P
152586-38-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as antimicrobial agent)

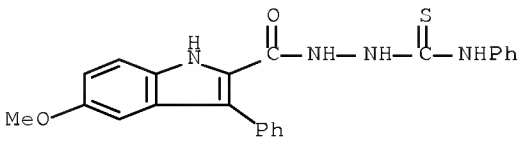
RN 117844-56-1 CAPLUS
CN 1H-Indole-2-carboxylic acid, 3,4,7-trimethyl-, 2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



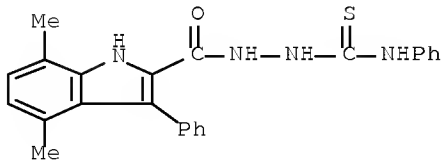
RN 121649-91-0 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methyl-3-phenyl-, 2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



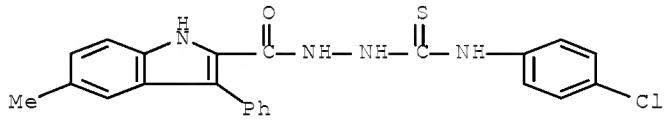
RN 121674-03-1 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methoxy-3-phenyl-, 2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



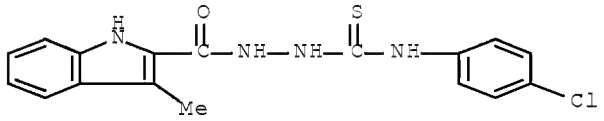
RN 148372-27-4 CAPLUS
CN 1H-Indole-2-carboxylic acid, 4,7-dimethyl-3-phenyl-, 2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



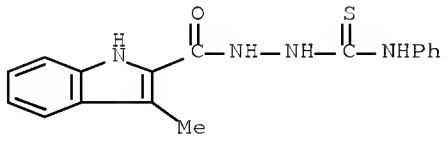
RN 148372-28-5 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methyl-3-phenyl-, 2-[[(4-chlorophenyl)amino]thioxomethyl]hydrazide (CA INDEX NAME)



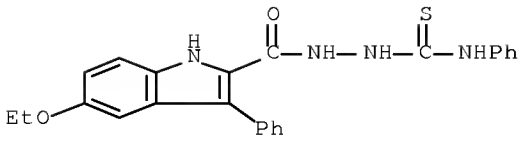
RN 148372-29-6 CAPLUS
CN 1H-Indole-2-carboxylic acid, 3-methyl-, 2-[[(4-chlorophenyl)amino]thioxomethyl]hydrazide (CA INDEX NAME)



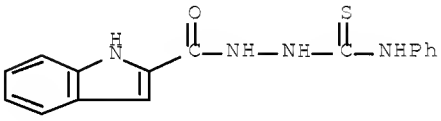
RN 148372-30-9 CAPLUS
CN 1H-Indole-2-carboxylic acid, 3-methyl-, 2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



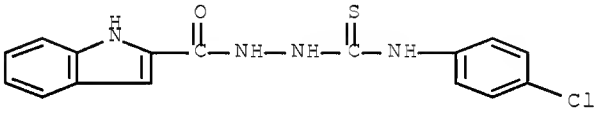
RN 152586-36-2 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-ethoxy-3-phenyl-, 2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



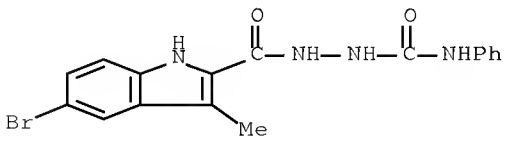
RN 152586-37-3 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



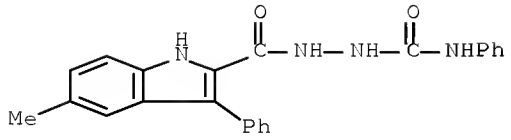
RN 152586-38-4 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-[[(4-chlorophenyl)amino]thioxomethyl]hydrazide (CA INDEX NAME)



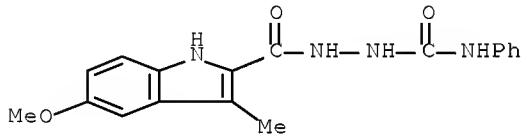
IT 152586-53-3P 152586-55-5P 152586-56-6P
152586-57-7P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as intermediate for (indolyl)pyrimidinetrione (antimicrobial agent))
RN 152586-53-3 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-bromo-3-methyl-, 2-[(phenylamino)carbonyl]hydrazide (CA INDEX NAME)



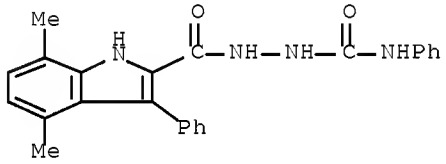
RN 152586-55-5 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methyl-3-phenyl-, 2-[(phenylamino)carbonyl]hydrazide (CA INDEX NAME)



RN 152586-56-6 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methoxy-3-methyl-, 2-[(phenylamino)carbonyl]hydrazide (CA INDEX NAME)

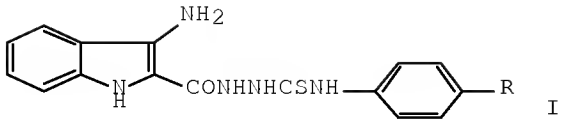


RN 152586-57-7 CAPLUS
CN 1H-Indole-2-carboxylic acid, 4,7-dimethyl-3-phenyl-, 2-[(phenylamino)carbonyl]hydrazide (CA INDEX NAME)

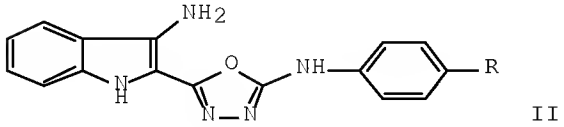


OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

L5 ANSWER 23 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1993:580707 CAPLUS Full-text
DN 119:180707
OREF 119:32303a,32306a
TI Synthesis and platelet aggregation inhibiting activity of new 1,3,4-oxadiazoles prepared by cyclodesulfurization of thiosemicarbazides with dicyclohexylcarbodiimide
AU Monge, A.; Aldana, I.; Arraras, J. A.; Fernandez-Alvarez, E.
CS Dep. Quim. Org. Farm., Univ. Navarra, Pamplona, 31080, Spain
SO Anales de Quimica (1992), 88(5-6), 607-9
CODEN: ANQUEX; ISSN: 1130-2283
DT Journal
LA Spanish
GI



I

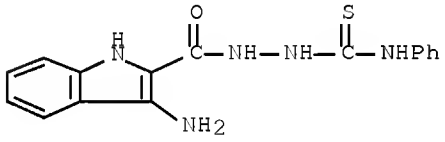


II

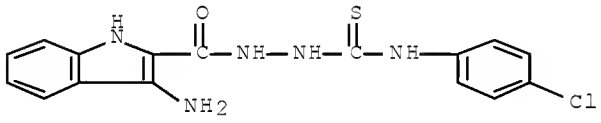
AB The thiosemicarbazides I (R = H, Cl) were prepared from the indolecarbohydrazide and 4-RC6H4NCS and were cyclized to the oxadiazoles II. At 5X10-4M I and II caused 9.7-34.5% inhibition of ADP-induced blood platelet aggregation.

IT 150363-95-4 150363-96-5
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation as blood platelet aggregation inhibitor)

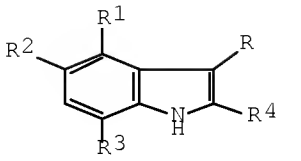
RN 150363-95-4 CAPLUS
CN 1H-Indole-2-carboxylic acid, 3-amino-, 2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



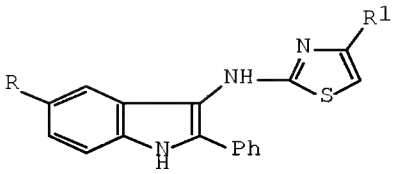
RN 150363-96-5 CAPLUS
CN 1H-Indole-2-carboxylic acid, 3-amino-, 2-[[(4-chlorophenyl)amino]thioxomethyl]hydrazide (CA INDEX NAME)



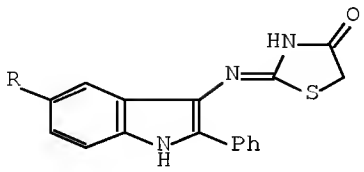
L5 ANSWER 24 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1993:441207 CAPLUS Full-text
DN 119:41207
OREF 119:7311a,7314a
TI Possible antifertility agents belonging to substituted indoles
AU Hiremath, Shivayogi P.; Bajji, Ashok C.; Rao, S. Hanumanth
CS Dep. Chem., Gulgarga Univ., Gulbarga, 585106, India
SO Biological & Pharmaceutical Bulletin (1993), 16(1), 36-8
CODEN: BPBLEO; ISSN: 0918-6158
DT Journal
LA English
GI



I



II



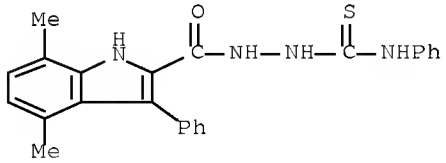
III

AB Of the 21 compds. evaluated for antiimplantation and abortifacient activities compds. of general structure I, (where R = Ph, R1 = R3 = Me, R2 = H, and R4 = CONHNHCSNHPh, where R = Ph, R1 = R3 = H, R1 = Me and R4 = CONHNHCSNHC6H4-p-Cl, where R = Me, R1 = R2 = R3 = H, and R4 = CONHNHCSNHPh, and where R = NHCSNHCOPh, R1 = R3 = H, 2 = Me, and R4 = Ph), compds. of general structure II (where R = Me and R1 = Ph and where R = H and R1 = Ph) and compds. of general structure III (where R = Me or Cl) exhibited 30-40% antiimplantation activity in rats when given orally on days 1-5 postcoitum. The remaining 13 compds. had no antiimplantation activity and none of the 21 compds. induced abortion.

IT 148372-27-4 148372-28-5 148372-29-6
148372-30-9
RL: BIOL (Biological study)
(abortifacient and antiimplantation activities of)

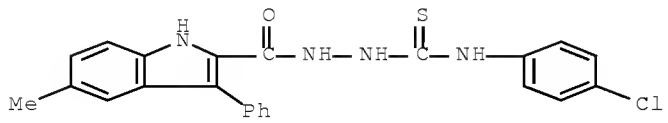
RN 148372-27-4 CAPLUS

CN 1H-Indole-2-carboxylic acid, 4,7-dimethyl-3-phenyl-, 2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)

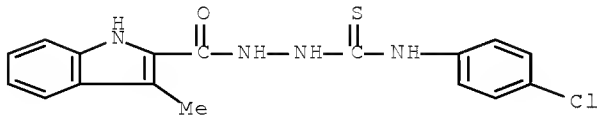


RN 148372-28-5 CAPLUS

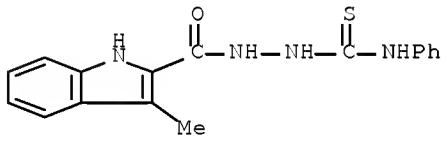
CN 1H-Indole-2-carboxylic acid, 5-methyl-3-phenyl-, 2-[[(4-chlorophenyl)amino]thioxomethyl]hydrazide (CA INDEX NAME)



RN 148372-29-6 CAPLUS
CN 1H-Indole-2-carboxylic acid, 3-methyl-, 2-[[(4-chlorophenyl)amino]thioxomethyl]hydrazide (CA INDEX NAME)



RN 148372-30-9 CAPLUS
CN 1H-Indole-2-carboxylic acid, 3-methyl-, 2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



OSC.G 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)

L5 ANSWER 25 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1992:448431 CAPLUS Full-text
DN 117:48431
OREF 117:8639a,8642a
TI Synthesis of substituted 2,5-bis(oxadiazolyl/thiazolidino/pyrazolyl/pyrimidinediono)indoles and oxadiazolyl/thiadiazolyl/triazolyl/thiazolidinone analogs of benzothiophene and their antibacterial activity
AU Hiremath, S. P.; Shivaramayya, K.; Purohit, M. G.
CS Dep. Chem., Gulbarga Univ., Gulbarga, 585 106, India
SO Indian Journal of Heterocyclic Chemistry (1992), 1(4), 177-84
CODEN: IJCHEI; ISSN: 0971-1627
DT Journal
LA English
GI

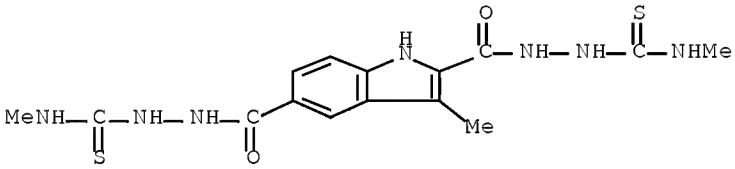
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The substituted indole-2,5-dicarbohydrazides I (R = Me, Et, Ph) on reaction with Et chloroformate in alc. yield Nβ-carbethoxyindole-2,5-dicarbohydrazides. These on heating in di-Ph ether give 2,5-bis(5'-oxo-1',3',4'-oxadiazol-2'-yl)indoles II in good yields. Treatment of I with Me isothiocyanate afford 1-methyl-3-(3'-substituted indole-2',5-dicarboxamido)thioureas, which are converted into 3-(3'-substituted indole-2',5'-dicarboxamido)-2-methylimino- 4-thiazolidinones on reaction with chloroacetic acid and NaOAc in presence of AcOH. Bis-3-substituted-1-(substituted indol-2',5'-yl)ureas are obtained by refluxing the corresponding dicarboxyazides with various aromatic amines. The ureas on reaction with di-Et malonate and NaOEt in dry EtOH produced 3-

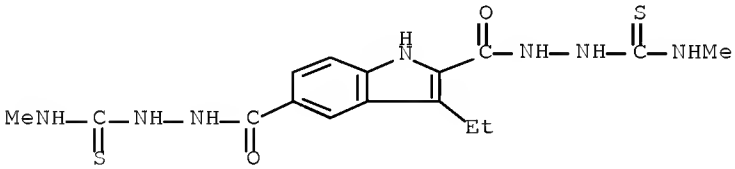
substituted phenyl-1-(3'-substituted indol-2',5'-yl)-2,3-dihydro-2-oxo-4,6-(1H,5H)-pyrimidinediones, e.g. III. Further, substituted indole-2,5-dicarbohydrazides when heated with 1,3-diketones in methanol afford the 3-substituted 2,5-bis(3',5'-disubstituted pyrazole-1'-carbonyl)indoles. 3-Chloro-6-substituted benzo(b)thiophene-2-carbohydrazides are condensed with substituted isothiocyanates to give 1-substituted-3-(6'-substituted-3'-chlorobenzo(b)thiophene-2'- carboxamido)thioureas, e.g. IV. The thioureas on treatment with I2 in KI/H2PO4/NaOH yield 3-chloro-6-substituted-2-(2'-substituted amino-1'3,'4'-oxadiazol-2-yl), 2-(5'-substituted amino-1',3',4'-thiadiazol-2'-yl) and 2-(N-phenyl-5'-mercapto-1',2',4'-triazol-3'-yl)benzo(b)thiophenes, resp. The thioureas are also converted to 3-(3'-chloro-6'-substituted-benzo(b)thiophene-2'-carboxamido)-2- substituted imino-4-thiazolidinones, e.g. V, by treatment with chloroacetic acid in presence of sodium acetate in acetic acid.

IT 142137-36-8P 142137-47-1P 142137-48-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation, cyclization with chloroacetic acid, and bactericidal activity of)

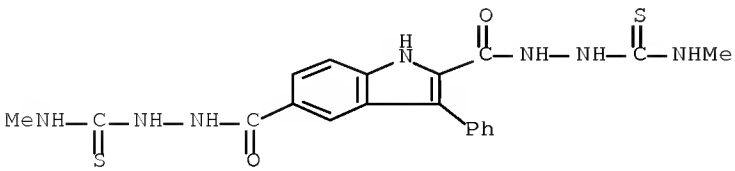
RN 142137-36-8 CAPLUS
CN 1H-Indole-2,5-dicarboxylic acid, 3-methyl-, bis[2-[(methylamino)thioxomethyl]hydrazide] (9CI) (CA INDEX NAME)



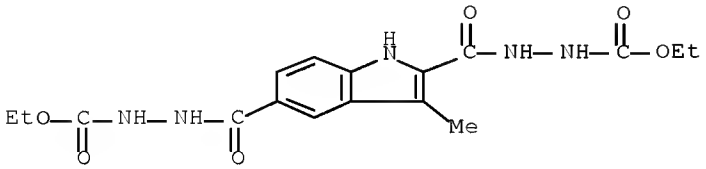
RN 142137-47-1 CAPLUS
CN 1H-Indole-2,5-dicarboxylic acid, 3-ethyl-, bis[2-[(methylamino)thioxomethyl]hydrazide] (9CI) (CA INDEX NAME)



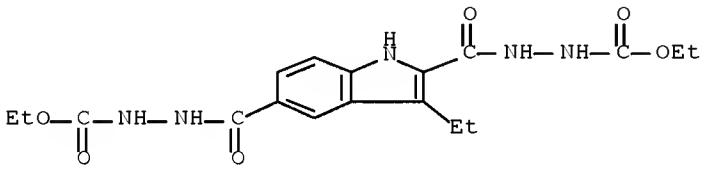
RN 142137-48-2 CAPLUS
CN 1H-Indole-2,5-dicarboxylic acid, 3-phenyl-, 2,5-bis[2-[(methylamino)thioxomethyl]hydrazide] (CA INDEX NAME)



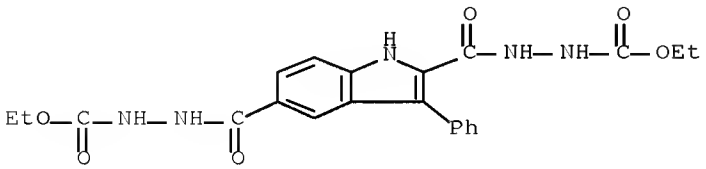
IT 142137-34-6P 142137-43-7P 142137-44-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation, intramol. cyclization, and bactericidal activity of)
RN 142137-34-6 CAPLUS
CN 1H-Indole-2,5-dicarboxylic acid, 3-methyl-, bis[2-(ethoxycarbonyl)hydrazide] (9CI) (CA INDEX NAME)



RN 142137-43-7 CAPLUS
CN 1H-Indole-2,5-dicarboxylic acid, 3-ethyl-, bis[2-(ethoxycarbonyl)hydrazide] (9CI) (CA INDEX NAME)



RN 142137-44-8 CAPLUS
CN 1H-Indole-2,5-dicarboxylic acid, 3-phenyl-, bis[2-(ethoxycarbonyl)hydrazide] (9CI) (CA INDEX NAME)



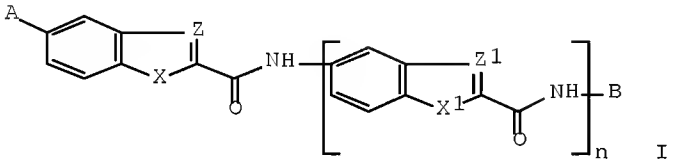
OSC.G 6 THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD (6 CITINGS)

L5 ANSWER 26 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1992:6408 CAPLUS Full-text
DN 116:6408
OREF 116:1267a,1270a
TI Preparation of aminoindolecarboxamide derivatives as neoplasm inhibitors
IN Mongelli, Nicola; D'Alessio, Roberto; Grandi, Maria; Spreafico, Federico
PA Farmitalia Carlo Erba S.r.l., Italy
SO Ger. Offen., 9 pp.
CODEN: GWXXBX
DT Patent

LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 4106860	A1	19910919	DE 1991-4106860	19910304 <--
	GB 2241950	A	19910918	GB 1990-5529	19900312 <--
	GB 2241950	B	19930512		
	JP 05148227	A	19930615	JP 1991-67875	19910307 <--
PRAI	GB 1990-5529	A	19900312		

OS CASREACT 116:6408; MARPAT 116:6408
GI

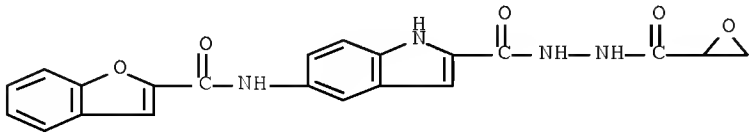


I

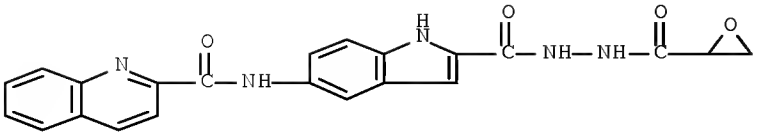
AB Title compds. [I; A = 14, NHCOR1, NR2R3; R1 = 2-haloacryloyl, (substituted) oxiranyl; R2, R3 = H, halo- or R4O2SO-substituted alkyl; R4 = alkyl, Ph; B = H, (CH2)mNHCOR1; m = 0-3; Z, Z1 = CH, CH:CH; X = N, O, S; n = 0, 1], were prepared Thus, a solution of H2C:CBrCO2H and Et3N in THF at -10° was treated with Me3CCOCl; Et3N.HCl was filtered off and the soln was added to a DMF solution of 5-(benzofuran-2-carboxamido)indol-2- carbohydrazide to give 2'-(α-bromoarcryloyl)-5-(benzofuran-2- carboxamido)indol-2-carbohydrazide (II). II had IC50 of 0.188 μg/mL against <1210 leukemia. An injection containing II was prepared

IT 137855-52-8P 137855-53-9P 137855-59-5P
137855-61-9P 137855-62-0P 137855-66-4P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of, as neoplasm inhibitor)

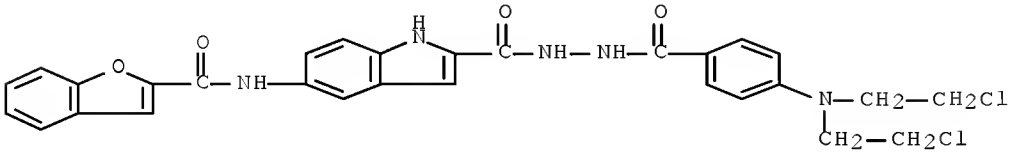
RN 137855-52-8 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-[(2-benzofuranylcarbonyl)amino]-, 2-(2-oxiranylcarbonyl)hydrazide (CA INDEX NAME)



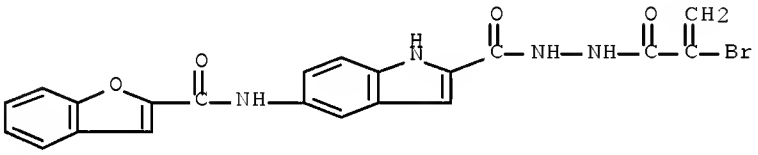
RN 137855-53-9 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-[(2-quinolinylcarbonyl)amino]-, 2-(2-oxiranylcarbonyl)hydrazide (CA INDEX NAME)



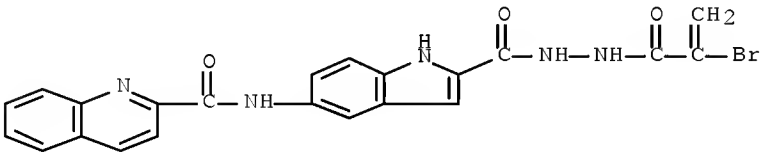
RN 137855-59-5 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-[(2-benzofuranylcarbonyl)amino]-, 2-[4-[bis(2-chloroethyl)amino]benzoyl]hydrazide (CA INDEX NAME)



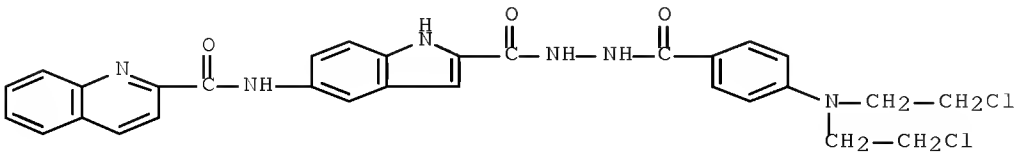
RN 137855-61-9 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-[(2-benzofuranylcarbonyl)amino]-, 2-(2-bromo-1-oxo-2-propen-1-yl)hydrazide (CA INDEX NAME)



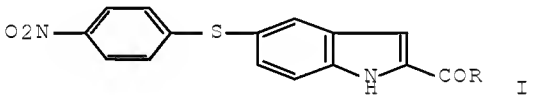
RN 137855-62-0 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-[(2-quinolinylcarbonyl)amino]-, 2-(2-bromo-1-oxo-2-propen-1-yl)hydrazide (CA INDEX NAME)



RN 137855-66-4 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-[(2-quinolinylcarbonyl)amino]-, 2-[4-[bis(2-chloroethyl)amino]benzoyl]hydrazide (CA INDEX NAME)

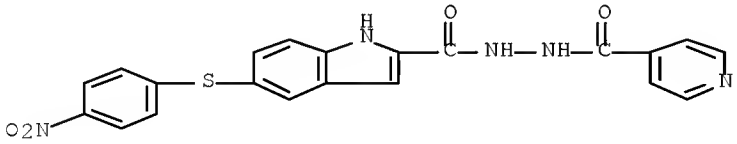


L5 ANSWER 27 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1991:655943 CAPLUS Full-text
DN 115:255943
OREF 115:43513a,43516a
TI Synthesis of some derivatives of 5-(p-nitrophenylthio)indole-2-carboxylic acid
AU Chikvaidze, I. Sh.; Megrelishvili, N. Sh.; Samsoniya, Sh. A.; Suvorov, N. N.
CS Tbilisi. Gos. Univ., Tbilisi, USSR
SO Soobshcheniya Akademii Nauk Gruzii (1991), 141(3), 545-8
CODEN: SANGEF
DT Journal
LA Russian
GI



I

AB Amidation of indolecarbonyl chloride I (R = Cl), obtained in 98% yield from I (R = OH) and SOCl2, by primary amines, hydrazine, and isoniazid in dioxane containing Et3N gave 38-95% indolecarboxamides I (R = arylamine, Me2N, NH2NH, 4-pyridylcarbonylhydrazino).
IT 137225-66-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 137225-66-2 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-[(4-nitrophenyl)thio]-, 2-(4-pyridinylcarbonyl)hydrazide (CA INDEX NAME)



L5 ANSWER 28 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1991:101858 CAPLUS Full-text
DN 114:101858
OREF 114:17365a,17368a
TI Synthesis of substituted 2,5-bis(1,3,4-oxadiazolyl/thiadiazolyl/1,2,4-triazolyl)indoles and study of their biological activities
AU Hiremath, S. P.; Shivaramayya, K.; Sekhar, K. Raja; Purohit, M. G.
CS Dep. Chem., Gulbarga Univ., Gulbarga, 585 106, India
SO Indian Journal of Chemistry, Section B: Organic Chemistry Including

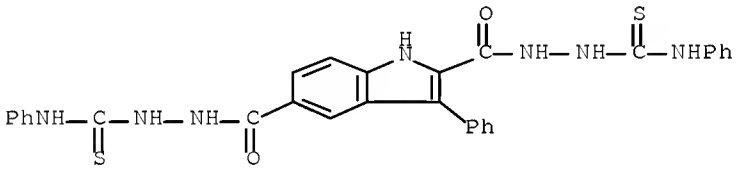
Medicinal Chemistry (1990), 29B(12), 1118-24
CODEN: IJSBDB; ISSN: 0376-4699
DT Journal
LA English
OS CASREACT 114:101858
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

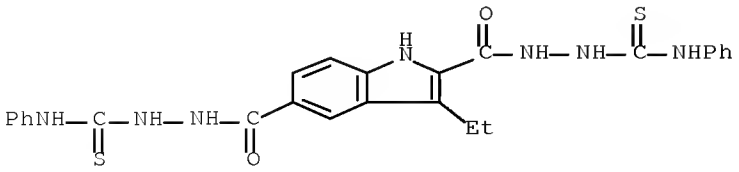
AB Di-Et indole-2,5-dicarboxylates are reacted with hydrazine hydrate to give the substituted indole-2,5-dicarbohydrazides I (R = Ph, Et, Me) which on reaction with PhCHO give the resp. hydrazones. The latter are cyclized using FeCl3 to give 2,5-bis(5-phenyl-1,3,4-oxadiazol-2-yl)indoles II. Hydrazides I when refluxed with (EtO)3CH afford the 2,5-bis(1,3,4-oxadiazol-2-yl)indoles which are also obtained by reacting I with formamide to give the corresponding N-formyl derivs. followed by cyclodehydration with POCl3. Treatment of I with CS2-KOH gives the 2,5-bis(4,5-dihydro-5-thiono-1,3,4-oxadiazol-2-yl)indoles III in moderate yields. Refluxing I with substituted Ph isothiocyanates afford the thiosemicarbazides which are converted into 2,5-bis(5-anilino-1,3,4,-oxadiazol-2-yl)indoles, 2,5-bis(5-anilino-1,3,4-thiadiazol-2-yl)indoles IV, and 2,5-bis(1-phenyl-5-mercapto-1,2,4-triazol-3-yl)indoles. Most compds. exhibit interesting bactericidal activity.

IT 132371-90-5P 132371-91-6P 132371-92-7P
132371-93-8P 132371-94-9P 132371-95-0P
132371-96-1P 132371-97-2P 132371-98-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and cyclocondensation reactions of)

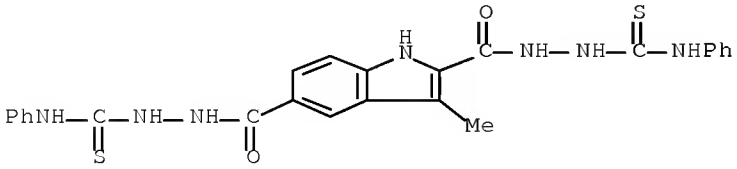
RN 132371-90-5 CAPLUS
CN 1H-Indole-2,5-dicarboxylic acid, 3-phenyl-, 2,5-bis[2-[(phenylamino)thioxomethyl]hydrazide] (CA INDEX NAME)



RN 132371-91-6 CAPLUS
CN 1H-Indole-2,5-dicarboxylic acid, 3-ethyl-, 2,5-bis[2-[(phenylamino)thioxomethyl]hydrazide] (CA INDEX NAME)

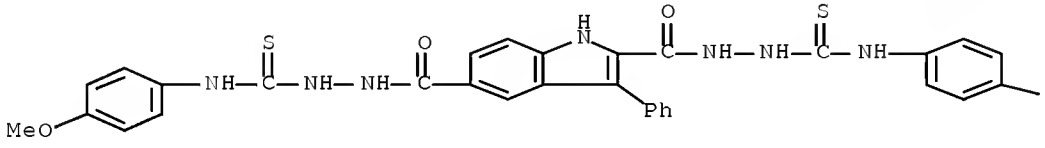


RN 132371-92-7 CAPLUS
CN 1H-Indole-2,5-dicarboxylic acid, 3-methyl-, 2,5-bis[2-[(phenylamino)thioxomethyl]hydrazide] (CA INDEX NAME)



RN 132371-93-8 CAPLUS
CN 1H-Indole-2,5-dicarboxylic acid, 3-phenyl-, 2,5-bis[2-[[(4-methoxyphenyl)amino]thioxomethyl]hydrazide] (CA INDEX NAME)

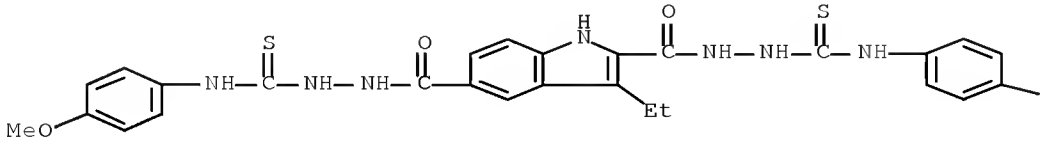
PAGE 1-A



PAGE 1-B

RN 132371-94-9 CAPLUS
CN 1H-Indole-2,5-dicarboxylic acid, 3-ethyl-, 2,5-bis[2-[[(4-methoxyphenyl)amino]thioxomethyl]hydrazide] (CA INDEX NAME)

PAGE 1-A

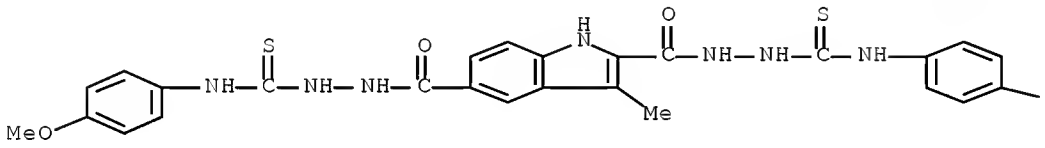


PAGE 1-B

—OMe

RN 132371-95-0 CAPLUS
CN 1H-Indole-2,5-dicarboxylic acid, 3-methyl-, 2,5-bis[2-[[(4-methoxyphenyl)amino]thioxomethyl]hydrazide] (CA INDEX NAME)

PAGE 1-A

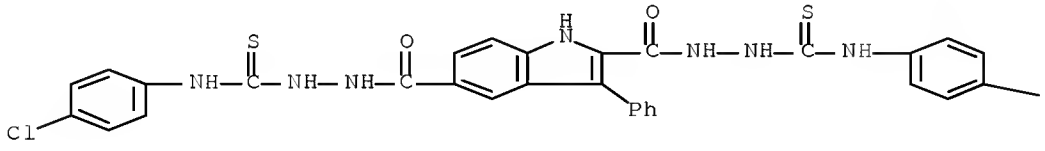


PAGE 1-B

—OMe

RN 132371-96-1 CAPLUS
CN 1H-Indole-2,5-dicarboxylic acid, 3-phenyl-, 2,5-bis[2-[[(4-chlorophenyl)amino]thioxomethyl]hydrazide] (CA INDEX NAME)

PAGE 1-A

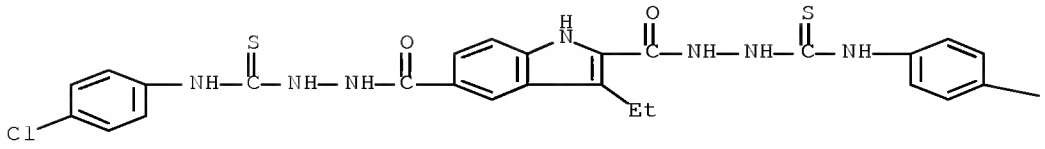


PAGE 1-B

—Cl

RN 132371-97-2 CAPLUS
CN 1H-Indole-2,5-dicarboxylic acid, 3-ethyl-, 2,5-bis[2-[[(4-chlorophenyl)amino]thioxomethyl]hydrazide] (CA INDEX NAME)

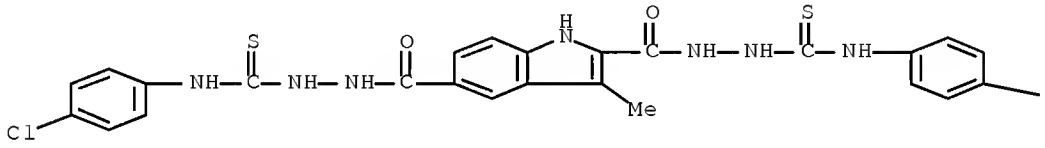
PAGE 1-A



PAGE 1-B

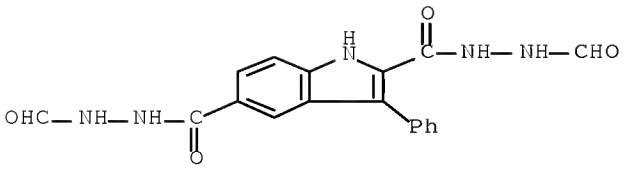
RN 132371-98-3 CAPLUS
CN 1H-Indole-2,5-dicarboxylic acid, 3-methyl-, 2,5-bis[2-[[(4-chlorophenyl)amino]thioxomethyl]hydrazide] (CA INDEX NAME)

PAGE 1-A

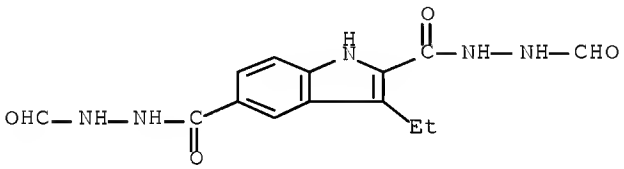


PAGE 1-B

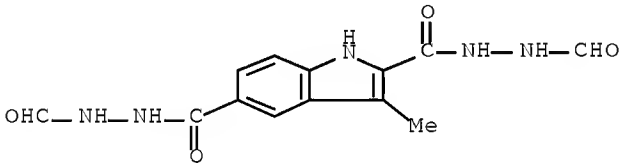
IT 132371-82-5P 132371-83-6P 132371-84-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and intramol. cyclocondensation of, by phosphoryl chloride)
RN 132371-82-5 CAPLUS
CN 1H-Indole-2,5-dicarboxylic acid, 3-phenyl-, 2,5-bis(2-formylhydrazide) (CA INDEX NAME)



RN 132371-83-6 CAPLUS
CN 1H-Indole-2,5-dicarboxylic acid, 3-ethyl-, 2,5-bis(2-formylhydrazide) (CA INDEX NAME)

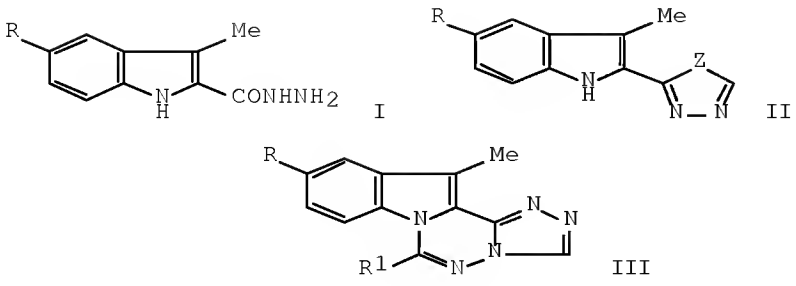


RN 132371-84-7 CAPLUS
CN 1H-Indole-2,5-dicarboxylic acid, 3-methyl-, 2,5-bis(2-formylhydrazide) (CA INDEX NAME)



OSC.G 5 THERE ARE 5 CAPLUS RECORDS THAT CITE THIS RECORD (5 CITINGS)

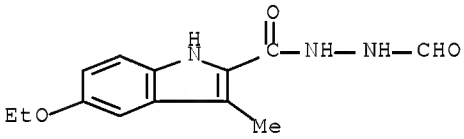
L5 ANSWER 29 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1990:478348 CAPLUS Full-text
DN 113:78348
OREF 113:13259a,13262a
TI Synthesis of 1,2,4-triazolo[3,4-f]-1,2,4-triazino[4,5-a]indoles
AU Hiremath, S. P.; Sekhar, K. Raja; Sonar, V. N.; Purohit, M. G.
CS Dep. Chem., Gulbarga Univ., Gulbarga, 585 106, India
SO Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry (1990), 29B(4), 372-5
CODEN: IJSBDB; ISSN: 0376-4699
DT Journal
LA English
OS CASREACT 113:78348
GI



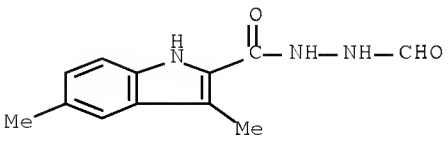
AB Substituted indole-2-carbohydrazides I (R = MeO, EtO, Me, Br, Cl) are formylated using formamide to get Nβ-formylindole-2-carbohydrazides in good yields, which are cyclized using POCl3 to the corresponding 1,3,4-oxadiazolylindoles II (Z = 0). Treatment of II with hydrazine hydrate yields the resp. 1,3,4-triazolylindoles II (Z = NNH2), which on refluxing with formic acid or acetic acid afford 1,2,4-triazolo[3,4-f]-1,2,4-triazino[4,5-a]indoles III (R1 = H, Me).

IT 128432-60-0P 128432-61-1P 128432-62-2P
128432-63-3P 128432-64-4P 128432-85-9P
128432-86-0P 128432-87-1P 126714-67-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and cyclization of)

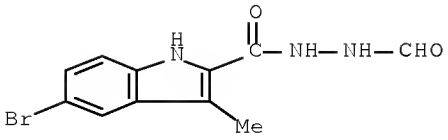
RN 128432-60-0 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-ethoxy-3-methyl-, 2-formylhydrazide (CA INDEX NAME)



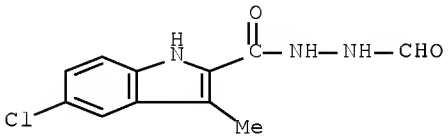
RN 128432-61-1 CAPLUS
CN 1H-Indole-2-carboxylic acid, 3,5-dimethyl-, 2-formylhydrazide (CA INDEX NAME)



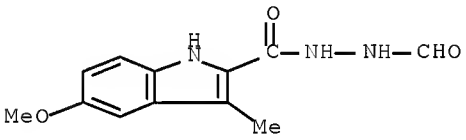
RN 128432-62-2 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-bromo-3-methyl-, 2-formylhydrazide (CA INDEX NAME)



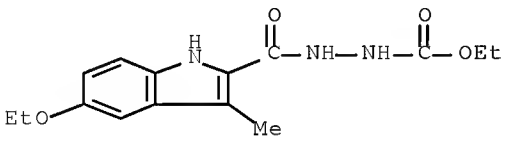
RN 128432-63-3 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-chloro-3-methyl-, 2-formylhydrazide (CA INDEX NAME)



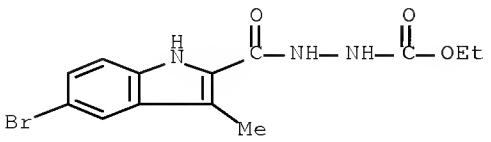
RN 128432-64-4 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methoxy-3-methyl-, 2-formylhydrazide (CA INDEX NAME)



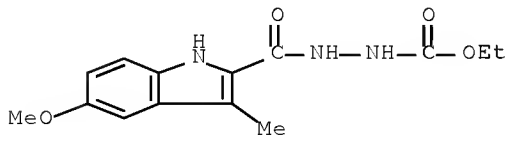
RN 128432-85-9 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-ethoxy-3-methyl-, 2-(ethoxycarbonyl)hydrazide (CA INDEX NAME)



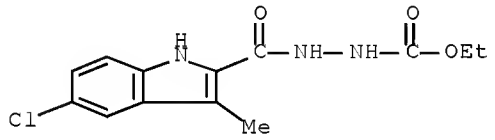
RN 128432-86-0 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-bromo-3-methyl-, 2-(ethoxycarbonyl)hydrazide (CA INDEX NAME)



RN 128432-87-1 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methoxy-3-methyl-, 2-(ethoxycarbonyl)hydrazide (CA INDEX NAME)

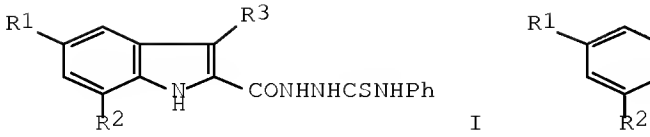


RN 128714-67-0 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-chloro-3-methyl-, 2-(ethoxycarbonyl)hydrazide (CA INDEX NAME)

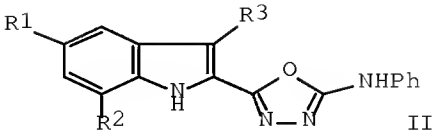


OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

L5 ANSWER 30 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1990:158093 CAPLUS Full-text
DN 112:158093
OREF 112:26723a,26726a
TI Synthesis of oxadiazolyl-, thiadiazolyl-, and triazolylindoles and indolylthiazolidinones
AU Hiremath, S. P.; Sonar, V. N.; Sekhar, K. Raja; Purohit, M. G.
CS Dep. Chem., Gulbarga Univ., Gulbarga, 585 106, India
SO Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry (1989), 28B(8), 626-30
CODEN: IJSBDB; ISSN: 0376-4699
DT Journal
LA English
OS CASREACT 112:158093
GI



I



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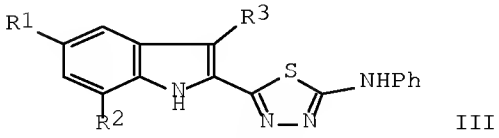
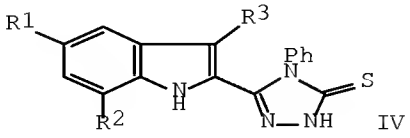
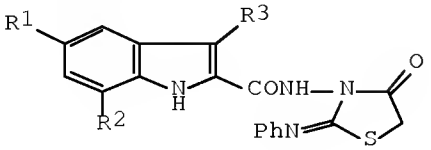


III



IV

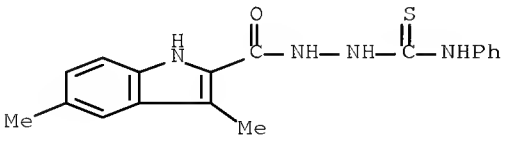


V

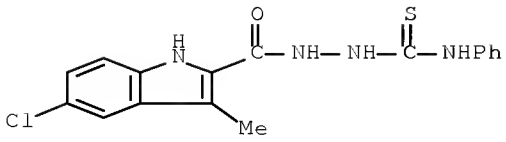
AB Et substituted indole-2-carboxylates are reacted with hydrazine hydrate to get the corresponding carbohydrazides. These hydrazides are condensed with Ph isothiocyanate to get 1-phenyl-3-(substituted indole-2'-carboxamido)thioureas I (R1 = Cl, OMe, Br; R2 = H, Br; R3 = H, Br, Ph, etc.), which on treatment with iodine-potassium iodide solution, phosphoric acid, and sodium hydroxide yield the substituted 2-(5'-phenylamino-1',3',4'-oxadiazol-2'-yl)indoles (II), 2'-(5'-phenylamino-1',3',4'-thiadiazol-2'-yl)indoles (III), and 2-(5'-mercapto-4'-phenyl-1',2',4'-triazol-3'-yl)indoles (IV), resp. I are also converted into 3-(substituted indole-2'-carboxamido)-2-phenylimino-4-thiazolidinones V by treatment with chloroacetic acid in the presence of sodium acetate in acetic acid. Some examples of I-V showed fungicidal and bactericidal activity.

IT 117844-52-7P 117844-54-9P 117844-55-0P
121649-90-9P 121649-92-1P 121649-93-2P
126016-01-1P 126016-02-2P 126016-03-3P
126016-04-4P 126016-05-5P 126016-06-6P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and cyclization reactions of)

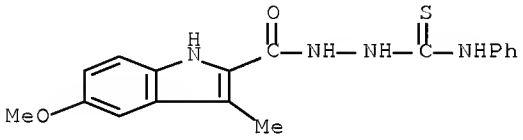
RN 117844-52-7 CAPLUS
CN 1H-Indole-2-carboxylic acid, 3,5-dimethyl-, 2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



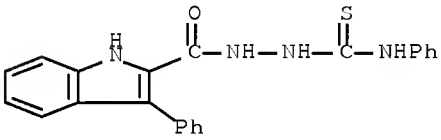
RN 117844-54-9 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-chloro-3-methyl-, 2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



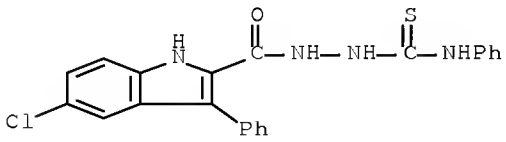
RN 117844-55-0 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methoxy-3-methyl-, 2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



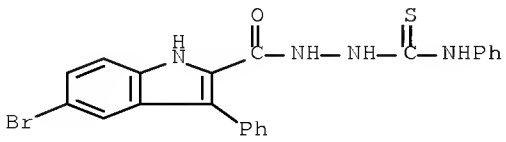
RN 121649-90-9 CAPLUS
CN 1H-Indole-2-carboxylic acid, 3-phenyl-, 2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



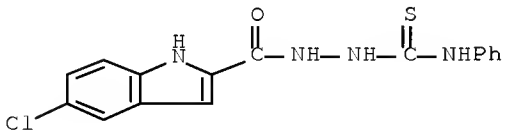
RN 121649-92-1 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-chloro-3-phenyl-, 2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



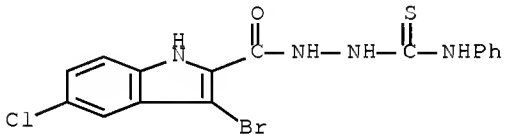
RN 121649-93-2 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-bromo-3-phenyl-, 2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



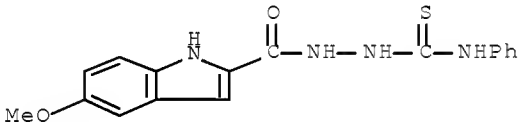
RN 126016-01-1 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-chloro-,
2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



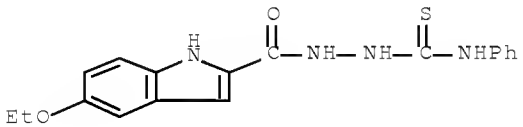
RN 126016-02-2 CAPLUS
CN 1H-Indole-2-carboxylic acid, 3-bromo-5-chloro-,
2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



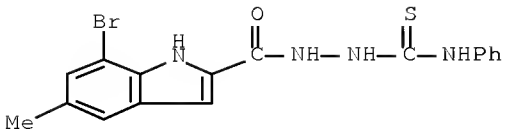
RN 126016-03-3 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methoxy-,
2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



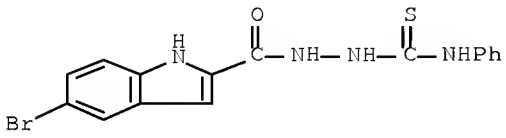
RN 126016-04-4 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-ethoxy-,
2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



RN 126016-05-5 CAPLUS
CN 1H-Indole-2-carboxylic acid, 7-bromo-5-methyl-,
2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)

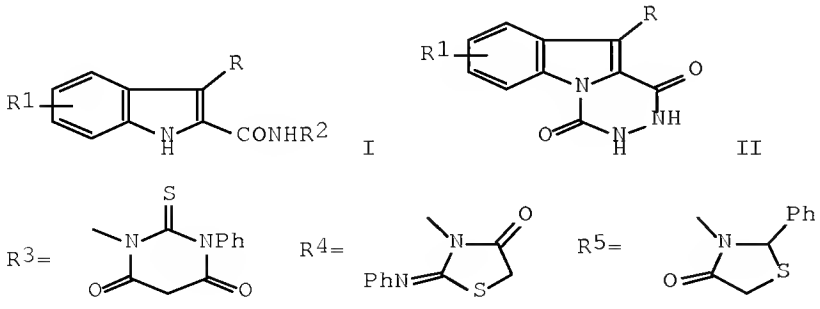


RN 126016-06-6 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-bromo-, 2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



OSC.G 15 THERE ARE 15 CAPLUS RECORDS THAT CITE THIS RECORD (15 CITINGS)

L5 ANSWER 31 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1989:457674 CAPLUS Full-text
DN 111:57674
OREF 111:9791a,9794a
TI Synthesis of substituted pyrimidinediones, thiazolidinones and triazinoindoles
AU Hiremath, Shivayogi P.; Ullagaddi, Ashok; Purohit, Muralidhar G.
CS Dep. Chem., Gulbarga Univ., Gulbarga, 585 106, India
SO Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry (1988), 27B(12), 1102-5
CODEN: IJSBDB; ISSN: 0376-4699
DT Journal
LA English
OS CASREACT 111:57674
GI

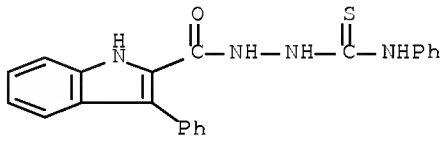


AB Indolecarbonylaminothioxopyrimidinediones I (R = Ph, R1 = H, 5-OMe, 5-Me, 5-Cl, 5-Br, 6,7-benzo, R2 = R3) were prepared from the resp. indolecarbonylaminothioureas I (R2 = NHCSNHPh) which in turn were obtained from the resp. indolecarbohydrazides I (R2 = NH2). I (R2 = NHCSNHPh) gave phenyliminothiazolidinones I (R2 = R4) when treated with ClCH2CO2H and AcONa

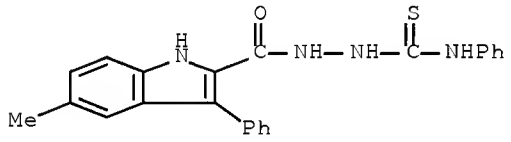
in the presence of AcOH. The hydrazones I (R = Ph, R1 = H, 5-OMe, 5-Me, 5-Cl, 5-Br, 6,7-benzo, R2 = N:CHPh; R = Me, R1 = 5-Me, 5-OMe, 5-Cl, 5-Br, R2 = N:CHPh), obtained from I (R2 = NH2) and PhCHO, gave phenylthiazolidinones I (R2 = R5) when reacted with HSCH2CO2H in dry C6H6. I (R = Ph, R1 = H, 5-OMe, 5-Me, 5-C; 5-Br, 6,7-benzo, N2 = NH2) also reacted with ClCO2Et to give I (R2 = NHCO2Et), which on cyclodehydration with POCl3 in dry C6H6 afforded triazine indole II (same R, R1) in moderate yield. The structures of all compds. were established on the basis of their spectral data and elemental analyses.

IT 121649-90-9P 121649-91-0P 121649-92-1P
121649-93-2P 121674-03-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and cyclocondensation of, with malonic acid)

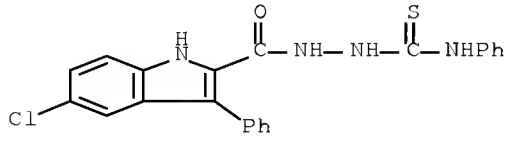
RN 121649-90-9 CAPLUS
CN 1H-Indole-2-carboxylic acid, 3-phenyl-, 2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



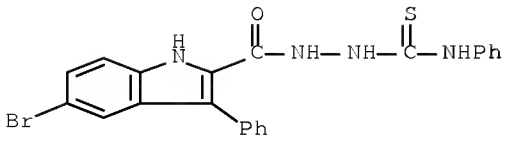
RN 121649-91-0 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methyl-3-phenyl-, 2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



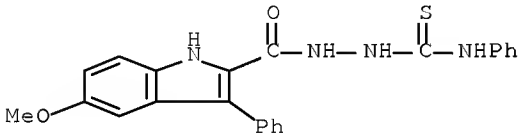
RN 121649-92-1 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-chloro-3-phenyl-, 2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



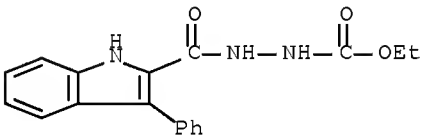
RN 121649-93-2 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-bromo-3-phenyl-, 2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



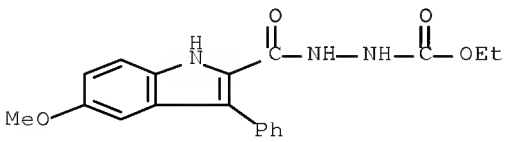
RN 121674-03-1 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methoxy-3-phenyl-, 2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



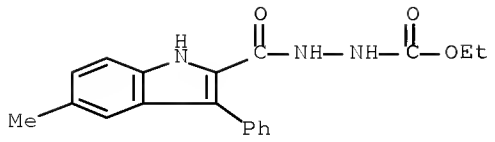
IT 121650-07-5P 121650-08-6P 121650-09-7P
121650-10-0P 121650-11-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and intramol. cyclocondensation of)
RN 121650-07-5 CAPLUS
CN 1H-Indole-2-carboxylic acid, 3-phenyl-, 2-(ethoxycarbonyl)hydrazide (CA INDEX NAME)



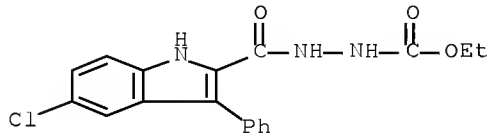
RN 121650-08-6 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methoxy-3-phenyl-, 2-(ethoxycarbonyl)hydrazide (CA INDEX NAME)



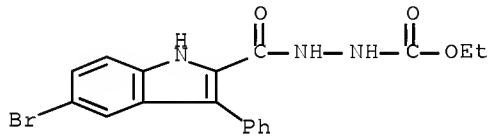
RN 121650-09-7 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methyl-3-phenyl-, 2-(ethoxycarbonyl)hydrazide (CA INDEX NAME)



RN 121650-10-0 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-chloro-3-phenyl-, 2-(ethoxycarbonyl)hydrazide (CA INDEX NAME)

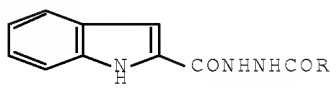


RN 121650-11-1 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-bromo-3-phenyl-, 2-(ethoxycarbonyl)hydrazide (CA INDEX NAME)

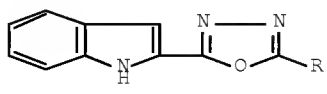


OSC.G 10 THERE ARE 10 CAPLUS RECORDS THAT CITE THIS RECORD (10 CITINGS)

L5 ANSWER 32 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1989:231529 CAPLUS Full-text
DN 110:231529
OREF 110:38383a,38386a
TI Synthesis and study of new indolyl-containing 1,3,4-oxadiazoles
AU Dzhaparidze, Z. Sh.; Basiladze, M. N.; Laliashvili, M. G.; Samsoniya, Sh. A.
CS NII Stabil'n. Izotopov, USSR
SO Soobshcheniya Akademii Nauk Gruzinskoi SSR (1988), 130(3), 565-8
CODEN: SAKNAH; ISSN: 0002-3167
DT Journal
LA Russian
OS CASREACT 110:231529
GI



I

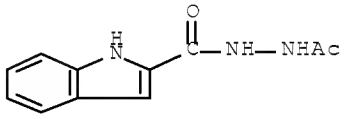


II

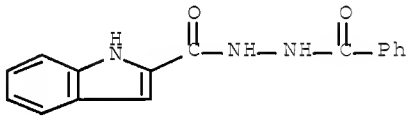
AB Acylation of indole-2-acetic acid hydrazide by RCOCl (R = Me, Ph, o-HO2CC6H4, ClCH2CH2, o-O2NC6H4) in AcNMe2 3 h at 5-15° gave 73-87% indoles I which were cyclodehydrated by POCl3 1 h at 60-80° to give 54-69% oxadiazoles II.

IT 37574-75-7P 37574-79-1P 120808-56-2P
120808-57-3P 120808-85-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and cyclodehydration of, indolyloxadiazole from)

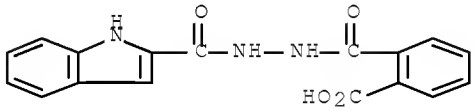
RN 37574-75-7 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-acetylhydrazide (CA INDEX NAME)



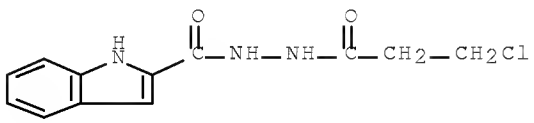
RN 37574-79-1 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-benzoylhydrazide (CA INDEX NAME)



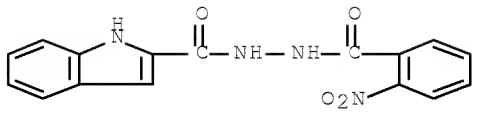
RN 120808-56-2 CAPLUS
CN 1,2-Benzenedicarboxylic acid, 1-[2-(1H-indol-2-ylcarbonyl)hydrazide] (CA INDEX NAME)



RN 120808-57-3 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-(3-chloro-1-oxopropyl)hydrazide (CA INDEX NAME)

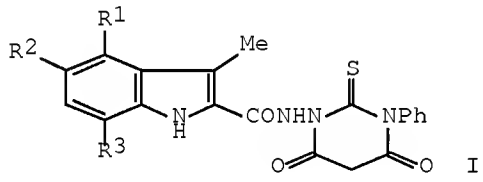


RN 120808-85-7 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-(2-nitrobenzoyl)hydrazide (CA INDEX NAME)



OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

L5 ANSWER 33 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1989:8164 CAPLUS Full-text
DN 110:8164
OREF 110:1499a,1502a
TI Synthesis of indolylpyrimidinediones and indolylthiazolidinones
AU Hiremath, Shivayogi P.; Sekhar, K. Raja; Purohit, Muralidhar G.
CS Dep. Chem., Gulbarga Univ., Gulbarga, 585 106, India
SO Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry (1988), 27B(7), 678-80
CODEN: IJSBDB; ISSN: 0376-4699
DT Journal
LA English
OS CASREACT 110:8164
GI



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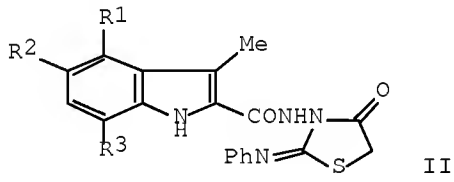
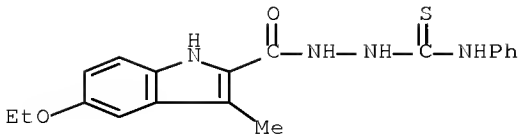


II

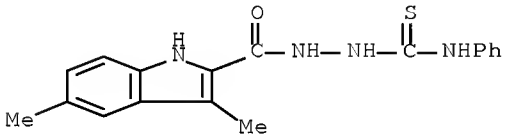
AB (Indolecarboxamido)hexahydropyrimidinedionethiones I (R1 = H, Me; R2 = OEt, Me, Br, Cl, OMe, H; R3 = H, Me) and (indolecarboxamido)thiazolidinones II were prepared; some I and II showed bactericidal activity. (Indolecarbonyl)thiosemicarbazides were treated with CH2(CO2H)2 and ClCH2CO2H to give I and II, resp.

IT 117844-51-6P 117844-52-7P 117844-53-8P
117844-54-9P 117844-55-0P 117844-56-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and cyclocondensation reaction of, with malonic acid and chloroacetic acid)

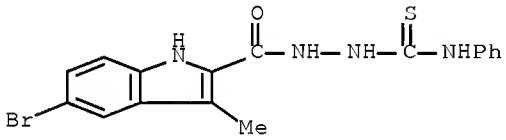
RN 117844-51-6 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-ethoxy-3-methyl-, 2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



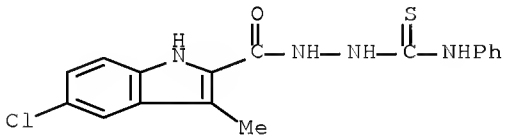
RN 117844-52-7 CAPLUS
CN 1H-Indole-2-carboxylic acid, 3,5-dimethyl-,
2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



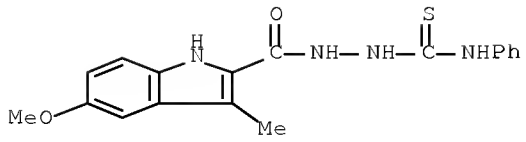
RN 117844-53-8 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-bromo-3-methyl-,
2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



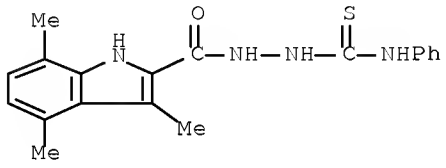
RN 117844-54-9 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-chloro-3-methyl-,
2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



RN 117844-55-0 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methoxy-3-methyl-,
2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)

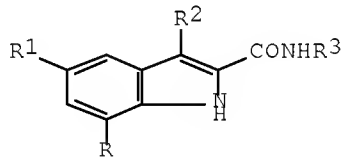


RN 117844-56-1 CAPLUS
CN 1H-Indole-2-carboxylic acid, 3,4,7-trimethyl-, 2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)

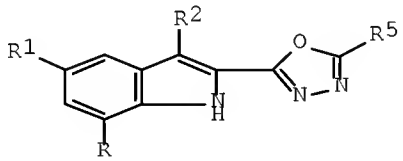


OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

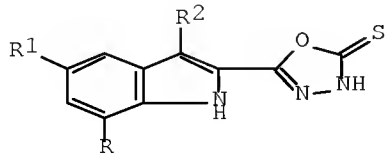
L5 ANSWER 34 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1987:554287 CAPLUS Full-text
DN 107:154287
OREF 107:24829a,24832a
TI Synthesis of substituted 2-(1',3',4'-oxadiazol-2'-yl)indoles
AU Sinnur, K. H.; Siddappa, S.; Hiremath, Shivayogi R.; Purohit, Muralidhar G.
CS Dep. Chem., Gulbarga Univ., Gulbarga, 585 106, India
SO Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry (1986), 25B(7), 716-20
CODEN: IJSBDB; ISSN: 0376-4699
DT Journal
LA English
OS CASREACT 107:154287
GI



I



II

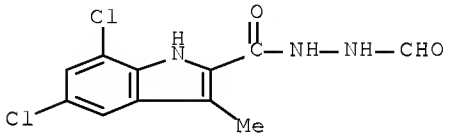


III

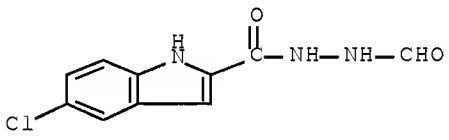
AB The indole derivs. I (R = H, Cl, Br; R1 = Me, Cl, PhCH2O; R2 = H, Me; R3 = N:CHR4; R4 = Et, Ph, 4-MeOC6H4), II (R5 = H, R4) and III were prepared from I (R3 = NH2) and tested for their antibacterial activity.

IT 110448-42-5P 110448-43-6P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and cyclization of)

RN 110448-42-5 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5,7-dichloro-3-methyl-, 2-formylhydrazide (CA INDEX NAME)

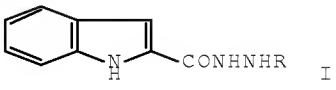


RN 110448-43-6 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-formylhydrazide (CA INDEX NAME)



OSC.G 10 THERE ARE 10 CAPLUS RECORDS THAT CITE THIS RECORD (10 CITINGS)

L5 ANSWER 35 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1985:131867 CAPLUS Full-text
DN 102:131867
OREF 102:20691a,20694a
TI Synthesis of N-acyl-N'-(2-indolylcarbonyl) hydrazides and their physiological activity
AU Zhang, Mingzhe; He, Meiyu
CS Dep. Chem., Peking Univ., Beijing, Peop. Rep. China
SO Yaoxue Xuebao (1984), 19(10), 737-41
CODEN: YHHPAL; ISSN: 0513-4870
DT Journal
LA Chinese
GI

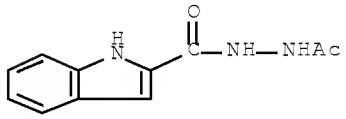


I

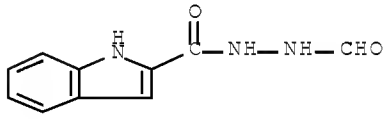
AB Title compds. (I, R = COR1) were prepared by acylation of I (R = H) with R1COCl. I (R = CHO, Ac) and 2-(2-ethyl-1,3,4-oxadiazol-5-yl)-1H-indole inhibited the growth of Mycobacterium tuberculosis.

IT 37574-75-7P 64932-49-6P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation and antitubercular activity of)

RN 37574-75-7 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-acetylhydrazide (CA INDEX NAME)

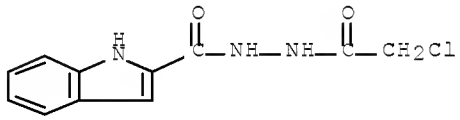


RN 64932-49-6 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-formylhydrazide (CA INDEX NAME)

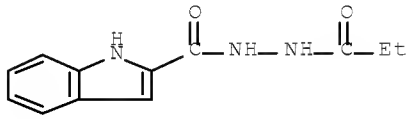


IT 37574-76-8P 95446-26-7P 95446-27-8P
95446-28-9P 95446-29-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

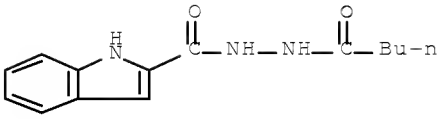
RN 37574-76-8 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-(2-chloroacetyl)hydrazide (CA INDEX NAME)



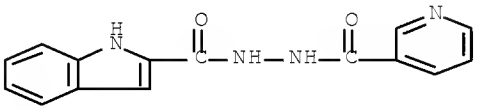
RN 95446-26-7 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-(1-oxopropyl)hydrazide (CA INDEX NAME)



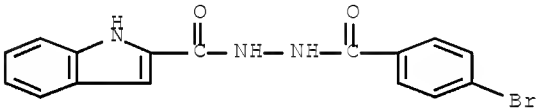
RN 95446-27-8 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-(1-oxopentyl)hydrazide (CA INDEX NAME)



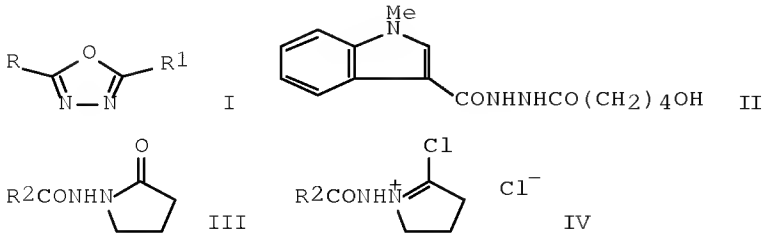
RN 95446-28-9 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-(3-pyridinylcarbonyl)hydrazide (CA INDEX NAME)



RN 95446-29-0 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-(4-bromobenzoyl)hydrazide (CA INDEX NAME)



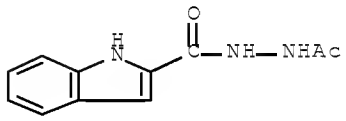
L5 ANSWER 36 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1984:630417 CAPLUS Full-text
DN 101:230417
OREF 101:34989a,34992a
TI Preparation of some indolyl-1,3,4-oxadiazoles and related compounds
AU Monge Vega, A.; Rabbani, M. M.; Fernandez-Alvarez, E.
CS Fac. Farm., Univ. Navarra, Pamplona, Spain
SO Boletin de la Sociedad Quimica del Peru (1983), 49(2), 120-30
CODEN: BSQPAQ; ISSN: 0037-8623
DT Journal
LA Spanish
OS CASREACT 101:230417
GI



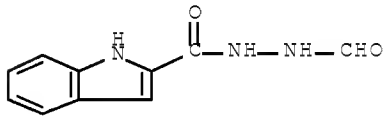
AB RCONHNHCOR1 (R = 2- or 3-indolyl or N-methylindolyl, R1 = H, Me) were prepared by acylation of RCONHNH2 with RCONMe2 and cyclized to oxadiazole derivs. I using POCl3. II was cleaved by POCl3 to give the hydrazide and γ-valerolactone. Attempted cyclization of III (R2 = 3-indolyl) with POCl3 gave IV.

IT 37574-75-7P 64932-49-6P 93397-85-4P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and cyclization of)

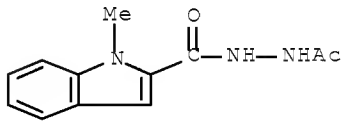
RN 37574-75-7 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-acetylhydrazide (CA INDEX NAME)



RN 64932-49-6 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-formylhydrazide (CA INDEX NAME)

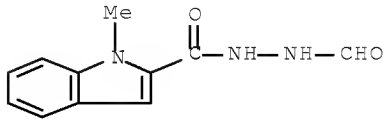


RN 93397-85-4 CAPLUS
CN 1H-Indole-2-carboxylic acid, 1-methyl-, 2-acetylhydrazide (CA INDEX NAME)

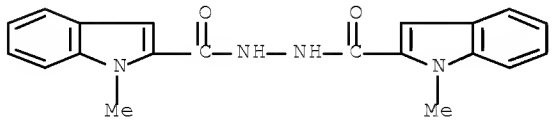


IT 93397-82-1P 93397-86-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

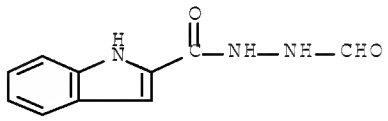
RN 93397-82-1 CAPLUS
CN 1H-Indole-2-carboxylic acid, 1-methyl-, 2-formylhydrazide (CA INDEX NAME)



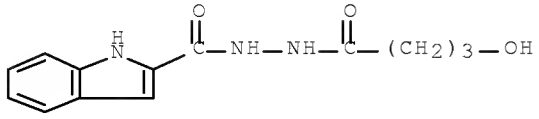
RN 93397-86-5 CAPLUS
CN 1H-Indole-2-carboxylic acid, 1-methyl-, 2-[(1-methyl-1H-indol-2-yl)carbonyl]hydrazide (CA INDEX NAME)



L5 ANSWER 37 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1984:630416 CAPLUS Full-text
DN 101:230416
OREF 101:34989a,34992a
TI Reactions of indolecarbohydrazides with lactones
AU Monge Vega, A.; Rabbani, M. M.; Fernandez-Alvarez, E.
CS Fac. Farm., Univ. Navarra, Pamplona, Spain
SO Boletin de la Sociedad Quimica del Peru (1983), 49(2), 110-19
CODEN: BSQPAQ; ISSN: 0037-8623
DT Journal
LA Spanish
OS CASREACT 101:230416
GI For diagram(s), see printed CA Issue.
AB Reactions of 2- or 3-indolecarbohydrazide and their 1-Me derivs. with γ-butyrolactone and γ- or δ-valerolactone were studied in the absence or presence of solvents (Ph2O, DMF, dioxane). Products RCONHNHCO(CH2)nOH (R = indolyl residue, n = 3 or 4), RCONHNHCOR, I, and oxadiazoles II were identified. BzNHNH2 reacted with lactones to give (BzNH)2.
IT 64932-49-6P 93397-75-2P 93397-79-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 64932-49-6 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-formylhydrazide (CA INDEX NAME)

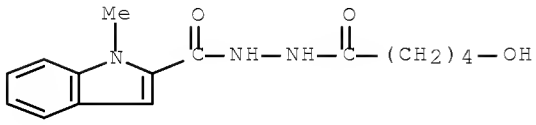


RN 93397-75-2 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-(4-hydroxy-1-oxobutyl)hydrazide (CA INDEX NAME)

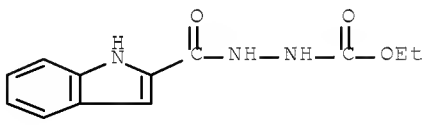


RN 93397-79-6 CAPLUS
CN 1H-Indole-2-carboxylic acid, 1-methyl-, 2-(5-hydroxy-1-oxopentyl)hydrazide

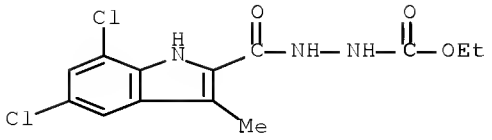
(CA INDEX NAME)



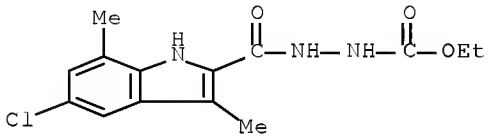
L5 ANSWER 38 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1983:594890 CAPLUS Full-text
DN 99:194890
OREF 99:30003a,30006a
TI Synthesis of substituted 2-(5'-oxo/thioxo-1',3',4'-oxadiazol-2'-yl)indoles and 2-(5'-oxo/thioxo-1,3,4'-oxadiazol-2'-ylamino)indoles
AU Hiremath, Shivayogi P.; Hiremath, Dakshayani M.; Purohit, Muralidhar G.
CS Dep. Chem., Gulbarga Univ., Gulbarga, 585 106, India
SO Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry (1983), 22B(6), 571-6
CODEN: IJSBDB; ISSN: 0376-4699
DT Journal
LA English
AB Indole-2-carboxylates and indole-2-carbamates react with N2H4-EtOH to give the corresponding hydrazides and semicarbazides. These compds. when heated under reflux with CS2 and KOH give 2-(5-thioxo-1,3,4-oxodiazol-2-yl)2ndoles and 2-(5-thioxo-1,3,4-oxodiazol-2-ylamino)indoles resp. They also undergo condensation with ClCO2Et to give ethoxy carbonylhydrazines which on heating under reflux with Ph2O give the corresponding 2-(5-oxo-1,3,4-oxodiazol-2-yl)indoles and 2-(5-oxo-1,3,4-oxadiazol-2'ylamino)indoles. Et 2-phenylindole-3-carbamate, obtained from 3-aminoindole has been condensed with N2H4 to give the semicarbazide which on reaction with ClCO2Et and heating under reflux with Ph2O produces 3-(5-oxo-1,3,4-oxadiazol-2-ylamino)indole.
IT 37574-85-9P 87811-53-8P 87811-54-9P
87811-55-0P 87811-56-1P 87811-57-2P
87811-58-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and cyclization of)
RN 37574-85-9 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-(ethoxycarbonyl)hydrazide (CA INDEX NAME)



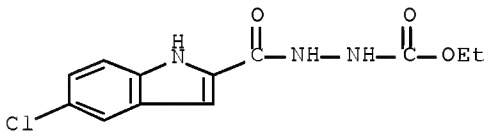
RN 87811-53-8 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5,7-dichloro-3-methyl-, 2-(ethoxycarbonyl)hydrazide (CA INDEX NAME)



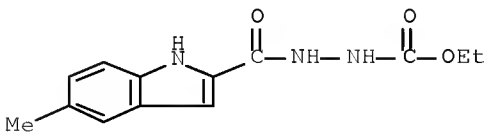
RN 87811-54-9 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-chloro-3,7-dimethyl-, 2-(ethoxycarbonyl)hydrazide (CA INDEX NAME)



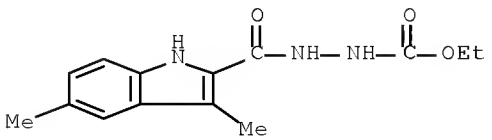
RN 87811-55-0 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-(ethoxycarbonyl)hydrazide (CA INDEX NAME)



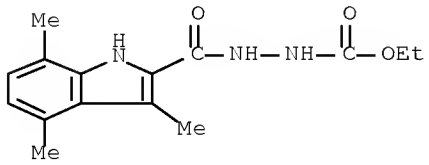
RN 87811-56-1 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methyl-, 2-(ethoxycarbonyl)hydrazide (CA INDEX NAME)



RN 87811-57-2 CAPLUS
CN 1H-Indole-2-carboxylic acid, 3,5-dimethyl-, 2-(ethoxycarbonyl)hydrazide (CA INDEX NAME)

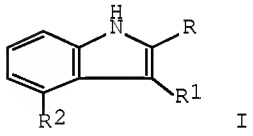


RN 87811-58-3 CAPLUS
CN 1H-Indole-2-carboxylic acid, 3,4,7-trimethyl-, 2-(ethoxycarbonyl)hydrazide (CA INDEX NAME)



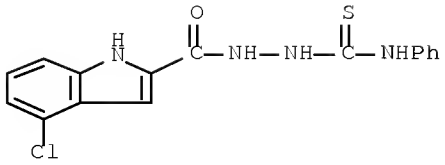
OSC.G 7 THERE ARE 7 CAPLUS RECORDS THAT CITE THIS RECORD (7 CITINGS)

L5 ANSWER 39 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1983:143225 CAPLUS Full-text
DN 98:143225
OREF 98:21813a,21816a
TI New indolyl MAO inhibitors. Part 2
AU Sathi, Garima; Gujrati, V. R.; Nath, C.; Bhargava, K. P.; Shanker, K.
CS Dep. Pharmacol. Ther., King George's Med. Coll., Lucknow, India
SO Pharmazie (1982), 37(12), 868-9
CODEN: PHARAT; ISSN: 0031-7144
DT Journal
LA English
GI

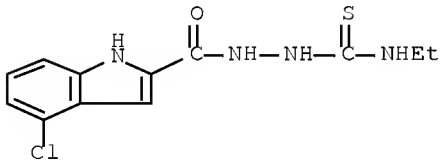


I

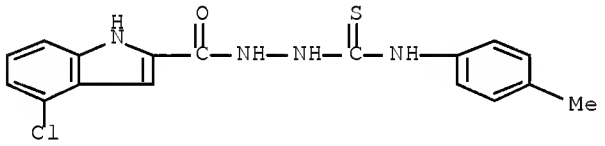
AB Indoles I [R = Me, R1 = CH2CH2NHNHCSNHR3, R2 = H, R3 = 4-FC6H4, 4-ClC6H4, Et; R = CH2NHNHCSNHR3, R1 = H, R2 = Cl, R3 = Ph, 2-MeC6H4 (II), 4-MeC6H4, Et] were prepared by treating the hydrazides with R3NCS and reduction with LiAlH4. II gave 78.12% inhibition of MAO at 1 + 10-4 mol/L in vitro and had 32.6% reserpine antagonist activity at 100 mg/kg i.p. in mice.
IT 72548-94-8 72548-97-1 85196-24-3
95207-85-8
RL: RCT (Reactant); RACT (Reactant or reagent)
(reduction of)
RN 72548-94-8 CAPLUS
CN 1H-Indole-2-carboxylic acid, 4-chloro-,
2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



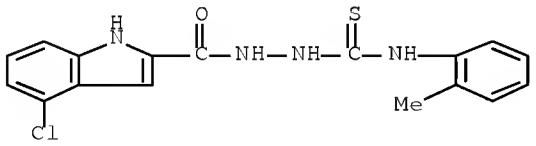
RN 72548-97-1 CAPLUS
CN 1H-Indole-2-carboxylic acid, 4-chloro-,
2-[(ethylamino)thioxomethyl]hydrazide (CA INDEX NAME)



RN 85196-24-3 CAPLUS
CN 1H-Indole-2-carboxylic acid, 4-chloro-,
2-[[(4-methylphenyl)amino]thioxomethyl]hydrazide (CA INDEX NAME)

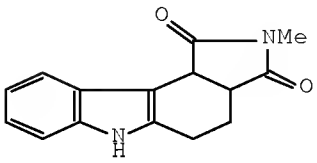
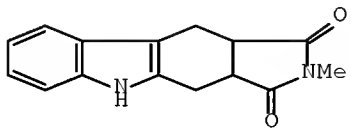
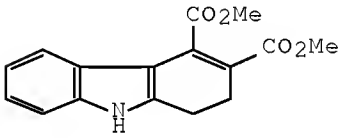
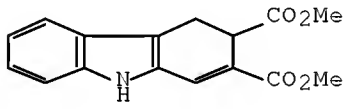


RN 85207-85-8 CAPLUS
CN 1H-Indole-2-carboxylic acid, 4-chloro-,
2-[[(2-methylphenyl)amino]thioxomethyl]hydrazide (CA INDEX NAME)



L5 ANSWER 40 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1982:199467 CAPLUS Full-text
DN 96:199467
OREF 96:32890h,32891a
TI The regioselectivity of the formation of dihydro- and tetrahydrocarbazoles by the Fischer indole synthesis
AU Reed, G. W. Bryan; Cheng, Peter T. W.; McLean, Stewart
CS Dep. Chem., Univ. Toronto, Toronto, ON, M5S 1A1, Can.

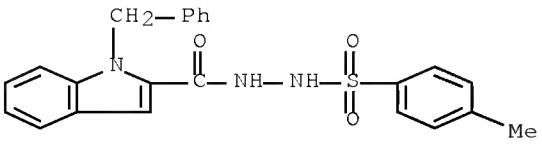
SO Canadian Journal of Chemistry (1982), 60(4), 419-24
CODEN: CJCHAG; ISSN: 0008-4042
DT Journal
LA English
OS CASREACT 96:199467
GI


III

IV

V

VI

AB N-Methyl-4-oxohexahydrophthalimide (I) and di-Me 1,4,5,6-tetrahydro-4-oxophthalate (II) were prepared, converted to their phenylhydrazones, and underwent the Fischer indole synthesis under conditions ranging from 7% to 60% H2SO4-MeOH. The tetrahydrocarbazoles III and IV were isolated in a 2:1 ratio from I and no significant variation in the ratio was observed through the range of conditions used. The dihydrocarbazoles V and VI were isolated from II in a 1:1 ratio when 7% or 15% H2SO4 was used; when more concentrated acid was used, normal Fischer products were not obtained but some transformation products were isolated from the complex mixture of products. The observed regioselectivity of these reactions is not predicted from mechanistic considerations, and no mechanistic explanation for the results is apparent. As part of the proof of structure of III and V, their N-benzyl derivs. were prepared from 1-benzyl-2-vinylindole by Diels-Alder reactions.

IT 81787-93-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and hydrolysis of)

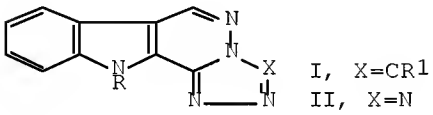
RN 81787-93-1 CAPLUS
CN 1H-Indole-2-carboxylic acid, 1-(phenylmethyl)-, 2-[(4-methylphenyl)sulfonyl]hydrazide (CA INDEX NAME)



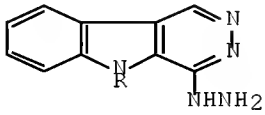
OSC.G 6 THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD (6 CITINGS)

L5 ANSWER 41 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1980:471713 CAPLUS Full-text
DN 93:71713

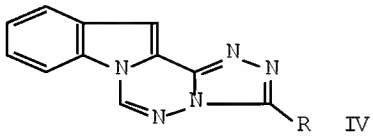
OREF 93:11665a,11668a
TI The synthesis of 11H-1,2,4-triazolo[4,3-b]pyridazino[4,5-b]indoles, 11H-tetrazolo[4,5-b]pyridazino[4,5-b]indoles and 1,2,4-triazolo[3,4-f]-1,2,4-triazino[4,5-a]indoles
AU Monge Vega, A.; Aldana, I.; Rabbani, M. M.; Fernandez-Alvarez, E.
CS Fac. Farm., Univ. Navarra, Pamplona, Spain
SO Journal of Heterocyclic Chemistry (1980), 17(1), 77-80
CODEN: JHTCAD; ISSN: 0022-152X
DT Journal
LA English
OS CASREACT 93:71713
GI



I, X=CR1
II, X=N

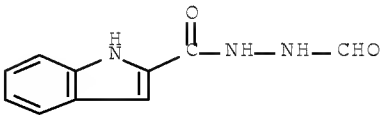


III



IV

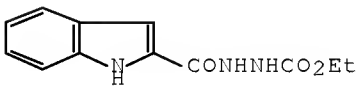
AB The novel compds I (R = H, Me; R1 = H, Me, Ph) and (II (R = H or Me) were prepared from III, and IV (R = H, Me or Ph) were prepd.from 2-indolecarbohydrazide (V). I were obtained by acylation of III, followed by thermal cyclization and II by treating III with nitrous acid. The reactions of V with HCO2H or HC(OEt)3 gave 1,2-dihydro-1-oxo-1,2,4-triazino[4,5-a]indole. Treating this last compound with POCl3 or P2S5, followed by hydrazine, gave 1-hydrazino-1,2,4-triazino[4,5-a]indole. Acylation of this last compound followed of cyclization gave IV. All the compds. were characterized by elemental anal. and IR and 1H-NMR spectra.
IT 64932-49-6P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and intermol. cyclocondensation of)
RN 64932-49-6 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-formylhydrazide (CA INDEX NAME)



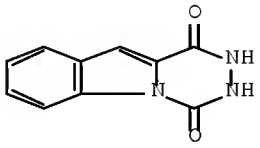
OSC.G 7 THERE ARE 7 CAPLUS RECORDS THAT CITE THIS RECORD (7 CITINGS)

L5 ANSWER 42 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1980:76458 CAPLUS Full-text
DN 92:76458
OREF 92:12599a,12602a
TI 1,2,4-Triazino[4,5-a]indoles. V. Study of 1,4-dioxo-1,2,3,4-tetrahydro-1,2,4-triazino[4,5-a]indole

AU Maume, Daniel; Lancelot, Jean Charles; Robba, Max
CS Lab. Pharm. Chim., Univ. Caen, Caen, 14032, Fr.
SO Journal of Heterocyclic Chemistry (1979), 16(6), 1217-22
CODEN: JHTCAD; ISSN: 0022-152X
DT Journal
LA French
GI



I

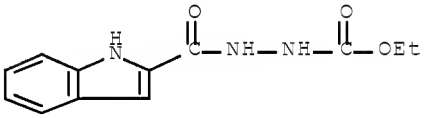


II

AB Cyclizing 2-indolecarbohydrazide I by refluxing in KOH-EtOH gave title compound II; II was also prepared by rearranging 2-(5-oxo-4,5-dihydro-1,3,4-oxadiazol-2-yl)indole in refluxing PrOH-PrONa. II was O- and N-methylated by both Me2SO4 and CH2N2.

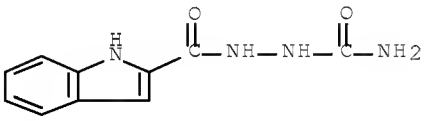
IT 37574-85-9
RL: RCT (Reactant); RACT (Reactant or reagent)
(intramol. cyclocondensation of)

RN 37574-85-9 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-(ethoxycarbonyl)hydrazide (CA INDEX NAME)



IT 37574-84-8P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

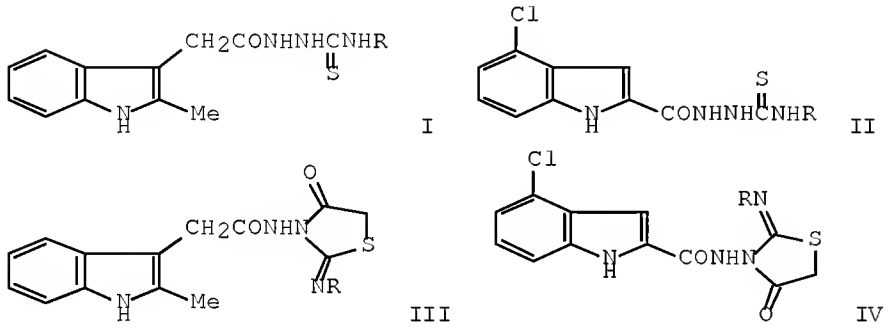
RN 37574-84-8 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-(aminocarbonyl)hydrazide (CA INDEX NAME)



OSC.G 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)

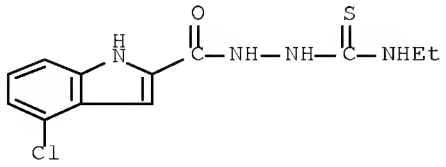
L5 ANSWER 43 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1980:51728 CAPLUS Full-text
DN 92:51728
OREF 92:8435a,8438a
TI Newer indole derivatives as monoamine oxidase inhibitors

AU Sathi, Garima; Gujrati, Vibha; Sharma, M.; Nath, C.; Gupta, T. K.; Bhargava, K. P.; Shanker, K.
CS Dep. Pharmacol. Ther., King George's Med. Coll., Lucknow, 3, India
SO Current Science (1979), 48(21), 932-4
CODEN: CUSCAM; ISSN: 0011-3891
DT Journal
LA English
OS CASREACT 92:51728
GI



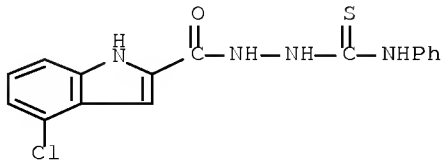
AB Seventeen indolyl thiosemicarbazides I and II and indolyl thiazolidones III and IV (R = Et, Ph, and substituted Ph were synthesized and tested as monoamine oxidase [9001-66-5] inhibitors. The 5 most potent inhibitors were tested further for anticonvulsant and analgesic activities, toxicity, and potentiation of L-dopa effects. None of the compds. had anticonvulsant or analgesic activity. Structure-activity relations are discussed in terms of monoamine oxidase inhibition.

IT 72548-97-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and monoamine oxidase inhibition by)
RN 72548-97-1 CAPLUS
CN 1H-Indole-2-carboxylic acid, 4-chloro-, 2-[(ethylamino)thioxomethyl]hydrazide (CA INDEX NAME)

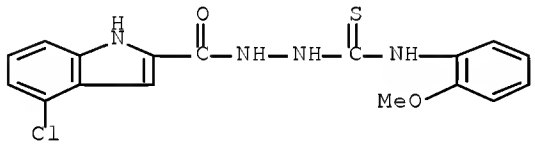


IT 72548-94-8P 72548-95-9P 72548-96-0P
RL: BAC (Biological activity or effector, except adverse); BPR (Biological process); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)
(preparation and pharmacol. of)
RN 72548-94-8 CAPLUS

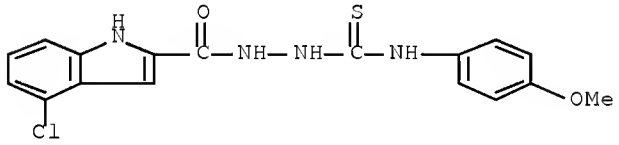
CN 1H-Indole-2-carboxylic acid, 4-chloro-,
2-[(phenylamino)thioxomethyl]hydrazide (CA INDEX NAME)



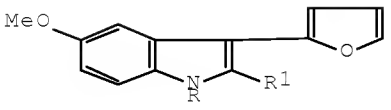
RN 72548-95-9 CAPLUS
CN 1H-Indole-2-carboxylic acid, 4-chloro-,
2-[[(2-methoxyphenyl)amino]thioxomethyl]hydrazide (CA INDEX NAME)



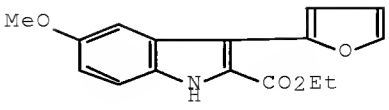
RN 72548-96-0 CAPLUS
CN 1H-Indole-2-carboxylic acid, 4-chloro-,
2-[[(4-methoxyphenyl)amino]thioxomethyl]hydrazide (CA INDEX NAME)



L5 ANSWER 44 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1980:6356 CAPLUS Full-text
DN 92:6356
OREF 92:1195a,1198a
TI Indole derivatives. LX. Synthesis of indole compounds with a furan ring
AU Gabrielyan, G. E.; Papayan, G. L.
CS Inst. Tonk. Org. Khim. im. Mndzhoyana, Yerevan, USSR
SO Armyanskii Khimicheskii Zhurnal (1979), 32(4), 309-14
CODEN: AYKZAN; ISSN: 0515-9628
DT Journal
LA Russian
OS CASREACT 92:6356
GI



I

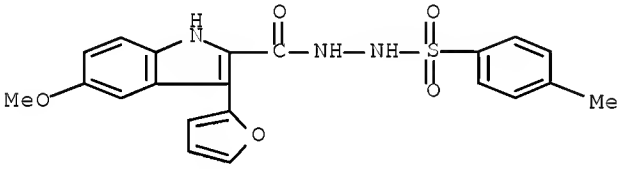


II

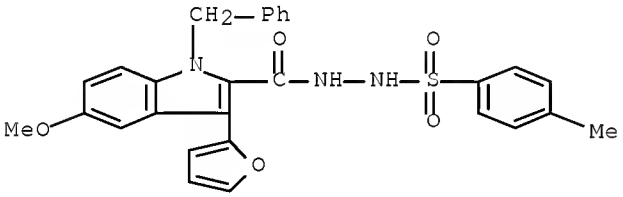
AB Twenty-one furylindoles I [R = benzyl, H, CH2CH2CH2NH2, CH2CH2CO2H, 2-[2-(3-indolyl)ethyl]amino]ethyl, CH2CH2CN, COCH2NEt2, COCH2Cl, CH2CO2H; R1 = CO2Et, CH2OH, CO2H, CH2OAc, CHO, CONHNHSO2C6H4Me-p, etc.] were prepared in 33.2-81.9% yield by standard methods. Thus alkylation of II with ClCH2CO2H gave 33.2% I (R = CH2CO2H, R1 = CO2Et).

IT 72193-86-3P 72193-87-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 72193-86-3 CAPLUS
CN 1H-Indole-2-carboxylic acid, 3-(2-furanyl)-5-methoxy-, 2-[(4-methylphenyl)sulfonyl]hydrazide (CA INDEX NAME)



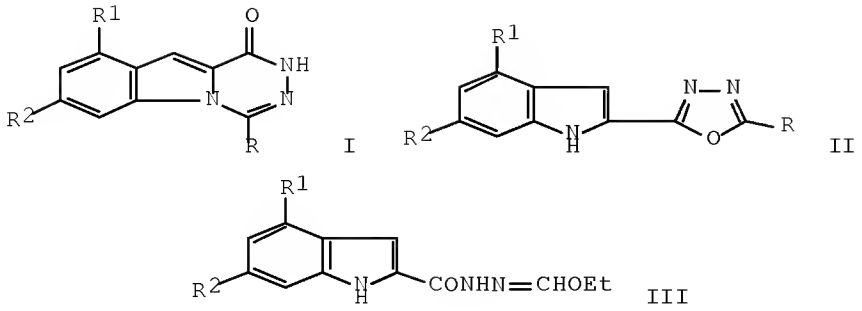
RN 72193-87-4 CAPLUS
CN 1H-Indole-2-carboxylic acid, 3-(2-furanyl)-5-methoxy-1-(phenylmethyl)-, 2-[(4-methylphenyl)sulfonyl]hydrazide (CA INDEX NAME)



OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

L5 ANSWER 45 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1978:105274 CAPLUS Full-text
DN 88:105274
OREF 88:16517a,16520a
TI as-Triazino[4,5-a]indoles. II. Study of as-triazinoindolones
AU Robba, M.; Maume, D.; Lancelot, J. C.
CS Lab. Pharm. Chim., UER Sci. Pharm., Caen, Fr.
SO Journal of Heterocyclic Chemistry (1977), 14(8), 1365-8
CODEN: JHTCAD; ISSN: 0022-152X
DT Journal
LA French
OS CASREACT 88:105274

GI

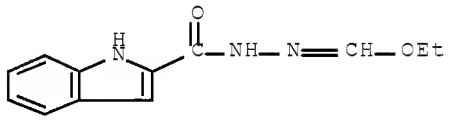


AB Triazinoindolones I (R = H, Me, CH2OMe, CH2OPr; R1 = H, Cl, Br; R2 = H, Br) were prepared by rearranging oxadiazolylindoles II with KOH or cyclizing III. 3,4-Dihydro-4-oxo-as-triazino[4,5-a]indole were similarly obtained by cyclizing 2-formylindole N-ethoxycarbonylhydrazone.

IT 64932-64-5
RL: RCT (Reactant); RACT (Reactant or reagent)
(cyclization of)

RN 64932-64-5 CAPLUS

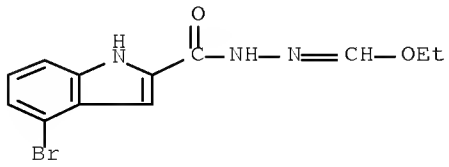
CN 1H-Indole-2-carboxylic acid, 2-(ethoxymethylene)hydrazide (CA INDEX NAME)



IT 65873-39-4P 65873-40-7P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

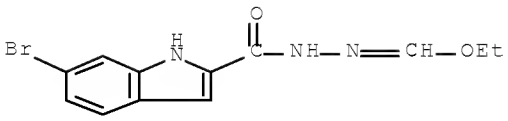
RN 65873-39-4 CAPLUS

CN 1H-Indole-2-carboxylic acid, 4-bromo-, 2-(ethoxymethylene)hydrazide (CA INDEX NAME)

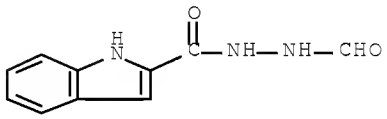


RN 65873-40-7 CAPLUS

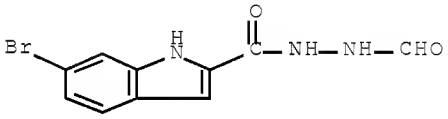
CN 1H-Indole-2-carboxylic acid, 6-bromo-, 2-(ethoxymethylene)hydrazide (CA INDEX NAME)



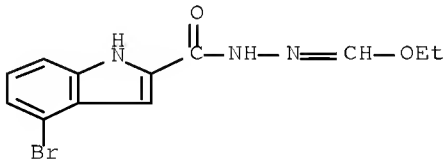
IT 64932-49-6 64932-53-2
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with orthoformate)
RN 64932-49-6 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-formylhydrazide (CA INDEX NAME)



RN 64932-53-2 CAPLUS
CN 1H-Indole-2-carboxylic acid, 6-bromo-, 2-formylhydrazide (CA INDEX NAME)



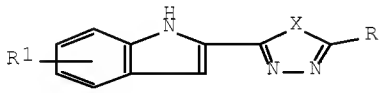
IT 65873-39-4
RL: RCT (Reactant); RACT (Reactant or reagent)
(rearrangement of)
RN 65873-39-4 CAPLUS
CN 1H-Indole-2-carboxylic acid, 4-bromo-, 2-(ethoxymethylene)hydrazide (CA INDEX NAME)

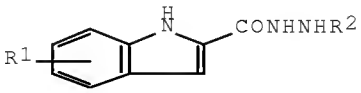


OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

L5 ANSWER 46 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1978:22764 CAPLUS Full-text
DN 88:22764
OREF 88:3653a,3656a
TI as-Triazino[4,5-a]indoles. I. Indole derivatives
AU Robba, M.; Maume, D.; Lancelot, J. C.
CS Lab. Pharm. Chim., UER Sci. Pharm., Caen, Fr.
SO Bulletin de la Societe Chimique de France (1977), (3-4, Pt. 2),

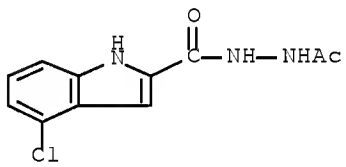
333-6
CODEN: BSCFAS; ISSN: 0037-8968
DT Journal
LA French
OS CASREACT 88:22764
GI


I

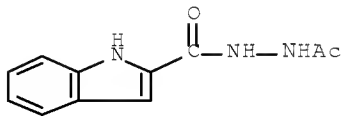

II

AB Oxadiazolylindoles I (X = O; R = H, Me, CH2Cl, CHCl2, CCl3, Ph, R1 = H; R = H, Me, R1 = 4-Cl; R = H, R1 = 4-Br, 6-Br) were obtained by acylating indoles II (R2 = H) and cyclizing resultant II (R2 = COR) with POCl3. I (R = H, Me, R1 = H, X = S) were similarly obtained with P2S5.

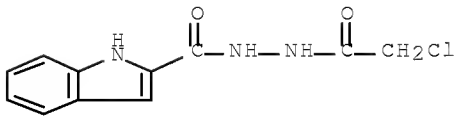
IT 64932-63-4
RL: RCT (Reactant); RACT (Reactant or reagent)
(cyclization of)
RN 64932-63-4 CAPLUS
CN 1H-Indole-2-carboxylic acid, 4-chloro-, 2-acetylhydrazide (CA INDEX NAME)



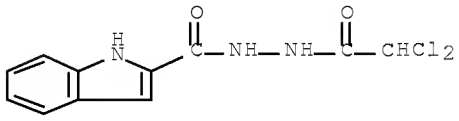
IT 37574-75-7P 37574-76-8P 37574-77-9P
37574-78-0P 37574-79-1P 37574-85-9P
64932-49-6P 64932-51-0P 64932-52-1P
64932-53-2P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and cyclization of)
RN 37574-75-7 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-acetylhydrazide (CA INDEX NAME)



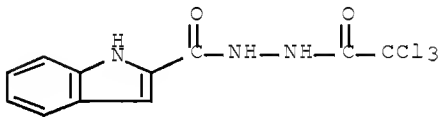
RN 37574-76-8 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-(2-chloroacetyl)hydrazide (CA INDEX NAME)



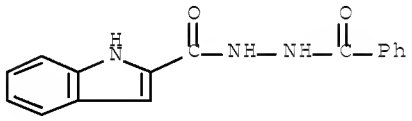
RN 37574-77-9 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-(2,2-dichloroacetyl)hydrazide (CA INDEX NAME)



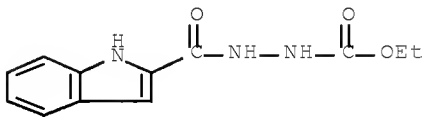
RN 37574-78-0 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-(2,2,2-trichloroacetyl)hydrazide (CA INDEX NAME)



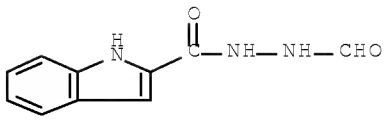
RN 37574-79-1 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-benzoylhydrazide (CA INDEX NAME)



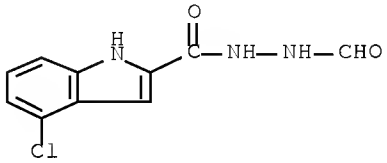
RN 37574-85-9 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-(ethoxycarbonyl)hydrazide (CA INDEX NAME)



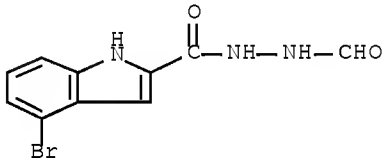
RN 64932-49-6 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-formylhydrazide (CA INDEX NAME)



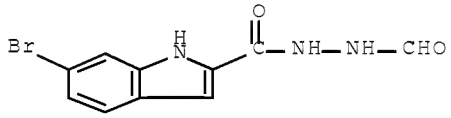
RN 64932-51-0 CAPLUS
CN 1H-Indole-2-carboxylic acid, 4-chloro-, 2-formylhydrazide (CA INDEX NAME)



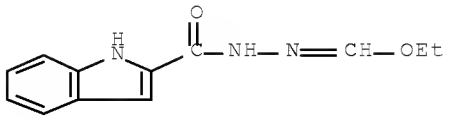
RN 64932-52-1 CAPLUS
CN 1H-Indole-2-carboxylic acid, 4-bromo-, 2-formylhydrazide (CA INDEX NAME)



RN 64932-53-2 CAPLUS
CN 1H-Indole-2-carboxylic acid, 6-bromo-, 2-formylhydrazide (CA INDEX NAME)



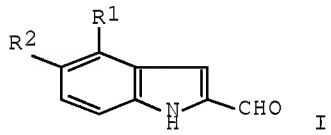
IT 64932-64-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 64932-64-5 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-(ethoxymethylene)hydrazide (CA INDEX NAME)



L5 ANSWER 47 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1976:105389 CAPLUS Full-text
DN 84:105389
OREF 84:17159a,17162a
TI Blood sugar-lowering indole-2-carboxaldehydes
IN Huebner, Manfred; Heerdt, Ruth; Schmidt, Felix Helmut; Thiel, Max
PA Boehringer Mannheim G.m.b.H., Fed. Rep. Ger.
SO Ger. Offen., 12 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

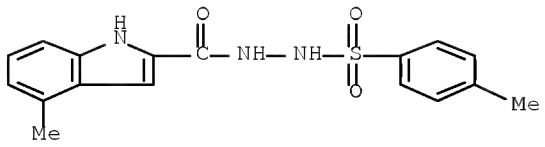
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2426439	A1	19751211	DE 1974-2426439	19740531 <--
	US 4053624	A	19771011	US 1975-573214	19750430 <--
	GB 1447474	A	19760825	GB 1975-22732	19750523 <--
	CH 612423	A5	19790731	CH 1975-6851	19750528 <--
	FR 2272663	A1	19751226	FR 1975-16784	19750529 <--
	FR 2272663	B1	19790323		
	JP 51004167	A	19760114	JP 1975-65236	19750530 <--
	AT 7504122	A	19770615	AT 1975-4122	19750530 <--
	AT 341516	B	19780210		
	AT 7701030	A	19790215	AT 1977-1030	19770216 <--
	AT 352112	B	19790910		
	CH 615421	A5	19800131	CH 1979-1930	19790227 <--
PRAI	DE 1974-2426439	A	19740531		
	CH 1975-6851	A	19750528		
	AT 1975-4122	A	19770216		

GI



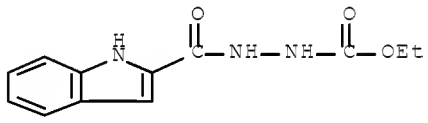
I

AB Indolecarboxaldehydes (I, R1 = Me, R2 = H, MeO, Me, Cl, EtO; R1 H, R2 = Et, Br), useful as antidiabetics (no data), were obtained by oxidation of the corresponding hydroxymethyl derivative with MnO2-CH2Cl2 30 hr at room temperature or CrO3-pyridine 2 hr at room temperature
IT 58518-52-8
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with sodium carbonate)
RN 58518-52-8 CAPLUS
CN 1H-Indole-2-carboxylic acid, 4-methyl-, 2-[(4-methylphenyl)sulfonyl]hydrazide (CA INDEX NAME)



OSC.G 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (11 CITINGS)

L5 ANSWER 48 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1975:428196 CAPLUS Full-text
DN 83:28196
OREF 83:4513a,4516a
TI Methylation of 1,2,3,4-tetrahydro-as-triazino[4,5-a]indole-1,4-dione
AU Robba, Max; Maume, Daniel; Lancelot, Jean C.
CS Lab. Pharm. Chim., UER Sci. Pharm., Caen, Fr.
SO Comptes Rendus des Seances de l'Academie des Sciences, Serie C: Sciences Chimiques (1975), 280(8), 521-2
CODEN: CHDCAQ; ISSN: 0567-6541
DT Journal
LA French
OS CASREACT 83:28196
GI For diagram(s), see printed CA Issue.
AB Methylation of the title compound (I, R = R1 = H) with Me2SO4 gave 9:1 I (R = H, R1 = Me) and II (R1 = Me). Methylation with CH2N2 gave a mixture of I (R = H, Me, R1 = Me) and II (R1 = H, Me) with II (R1 = H) the predominant product. I (R = R1 = H) was prepared by cyclizing 2-indolecarboxylic acid N'-ethoxycarbonylhydrazide or rearranging 2-(2-indolyl)-1,3,4-oxadiazol-2-en-5-one.
IT 37574-85-9
RL: RCT (Reactant); RACT (Reactant or reagent)
(cyclization of)
RN 37574-85-9 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-(ethoxycarbonyl)hydrazide (CA INDEX NAME)

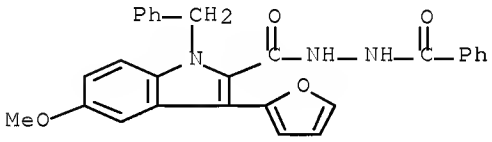


L5 ANSWER 49 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1974:70638 CAPLUS Full-text
DN 80:70638
OREF 80:11403a,11406a
TI Indole derivatives. XXXVII. Synthesis of indole compounds containing a furan ring
AU Gabrielyan, G. E.; Papayan, G. L.
CS Inst. Tonkoi Org. Khim. im. Mndzhoyana, Erevan, USSR
SO Armyanskii Khimicheskii Zhurnal (1973), 26(9), 768-74
CODEN: AYKZAN; ISSN: 0515-9628
DT Journal
LA Russian
GI For diagram(s), see printed CA Issue.

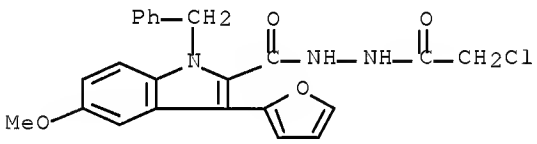
AB Condensation of MeCOCH(CH2R)CO2Et (R = 2-furanyl) with 4-MeOC6H4N2+ Cl- gave 4-MeOC6H4NHN:C(CH2R)CO2Et, which cyclized in EtOH containing H2SO4 to give the Et indolecarboxylate I (R1 = CO2Et; R2 = H). I (R1 = CO2H, CH2OH, piperidinocarbonyl, piperidinomethyl, CONHNH2, CO2CH2CH2NMe2, CO2CH2CH2NEt2, CONHNHBz, CH2NHNHCH2Ph; R1 = H, PhCH2) (13 compds.) were prepared via standard procedures.

IT 51842-63-8P 51842-65-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 51842-63-8 CAPLUS
CN 1H-Indole-2-carboxylic acid, 3-(2-furanyl)-5-methoxy-1-(phenylmethyl)-, 2-benzoylhydrazide (CA INDEX NAME)



RN 51842-65-0 CAPLUS
CN 1H-Indole-2-carboxylic acid, 3-(2-furanyl)-5-methoxy-1-(phenylmethyl)-, 2-(2-chloroacetyl)hydrazide (CA INDEX NAME)



OSC.G 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)

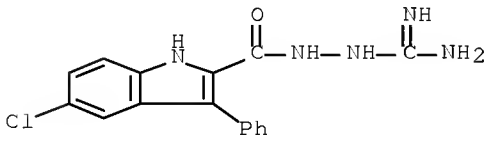
L5 ANSWER 50 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1972:551917 CAPLUS Full-text
DN 77:151917
OREF 77:24975a,24978a
TI Indolecarboxylic acid amide guanidine derivatives
IN Inaba, Shigeho; Hirohashi, Toshiyuki; Akatsu, Mitsuhiro; Yamamoto, Hisao
PA Sumitomo Chemical Co., Ltd.
SO Jpn. Tokkyo Koho, 3 pp.
CODEN: JAXXAD
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 47030703	B4	19720809	JP 1969-37206	19690514 <--

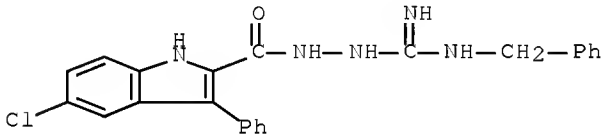
GI For diagram(s), see printed CA Issue.
AB Three title compds. (I) (R = H, PhCH2, cyclohexyl), diuretics, blood pressure depressants and remedies for diabetes mellitus, were prepared by treating the corresponding indole-2-carboxylic acid hydrazides with a cyanamide. E.g., 3-phenyl-5-chloro-2-indolecarboxylic acid hydrazide in EtOH was refluxed with 10% HCl and Ca cyanamide to give I (R = H).
IT 37943-68-3P 37943-69-4P 37943-70-7P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

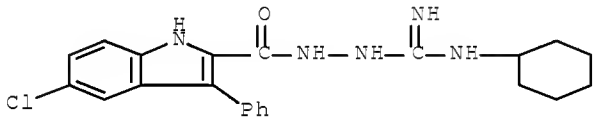
RN 37943-68-3 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-chloro-3-phenyl-, 2-(aminoiminomethyl)hydrazide (CA INDEX NAME)



RN 37943-69-4 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-chloro-3-phenyl-, 2-[imino[(phenylmethyl)amino]methyl]hydrazide (CA INDEX NAME)



RN 37943-70-7 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-chloro-3-phenyl-, 2-[(cyclohexylamino)iminomethyl]hydrazide (CA INDEX NAME)

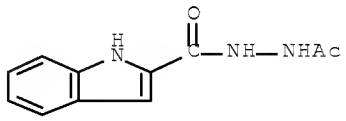


L5 ANSWER 51 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1972:539989 CAPLUS Full-text
DN 77:139989
OREF 77:23021a,23024a
TI Conditions of access to as-triazino(4,5-a)indole
AU Robba, M.; Maume, D.
CS Lab. Pharm. Chim., U.E.R. Sci. Pharm., Caen, Fr.
SO Tetrahedron Letters (1972), (23), 2333-5
CODEN: TELEAY; ISSN: 0040-4039
DT Journal
LA French
GI For diagram(s), see printed CA Issue.
AB The as-triazinoindoles (I, R = H, Me) were prepared by base-catalyzed rearrangement of oxadiazolylindoles (II, R = H, Me, ClCH2, Cl2CH, Ph) which in turn were prepared by cyclizing in-dolylacylhydrazides R1CONHNHCOR (III, R1 = 2-indolyl; R = H, Me, ClCH2, Cl2CH, Ph). Thus, III (R1 = 2-indolyl, R = Me) was refluxed with POCl3 to give II (R = Me) which was refluxed in KOPr-PrOH to give I (R = Me). Treating III (R = OEt) with POCl3 gave the oxadiazolinone

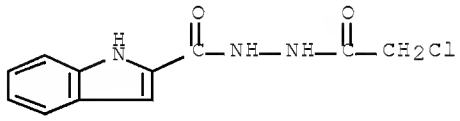
analog of II, whereas treating the former with KOPr-PrOH gave 2,3-dihydroas-triazino[4,5-a indole-1,4-dione.

IT 37574-75-7P 37574-76-8P 37574-77-9P
37574-78-0P 37574-79-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and cyclization of)

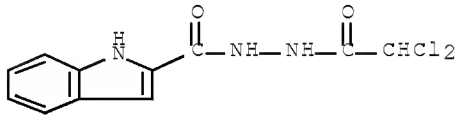
RN 37574-75-7 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-acetylhydrazide (CA INDEX NAME)



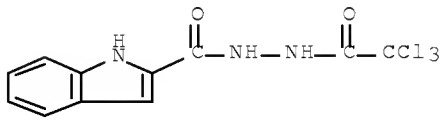
RN 37574-76-8 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-(2-chloroacetyl)hydrazide (CA INDEX NAME)



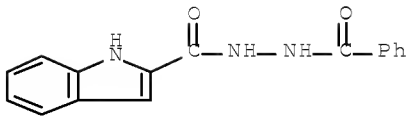
RN 37574-77-9 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-(2,2-dichloroacetyl)hydrazide (CA INDEX NAME)



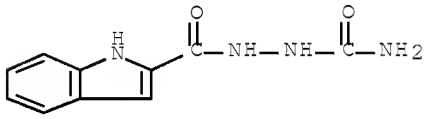
RN 37574-78-0 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-(2,2,2-trichloroacetyl)hydrazide (CA INDEX NAME)



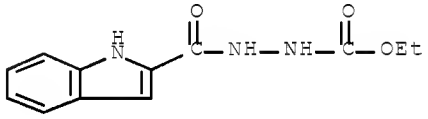
RN 37574-79-1 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-benzoylhydrazide (CA INDEX NAME)



IT 37574-84-8P 37574-85-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 37574-84-8 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-(aminocarbonyl)hydrazide (CA INDEX NAME)

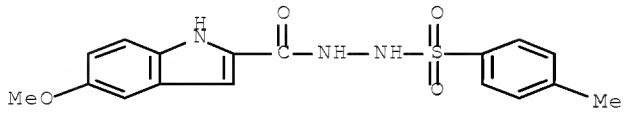


RN 37574-85-9 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-(ethoxycarbonyl)hydrazide (CA INDEX NAME)

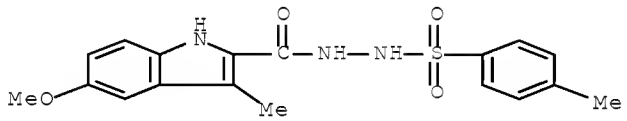


L5 ANSWER 52 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1971:53406 CAPLUS Full-text
DN 74:53406
OREF 74:8597a,8600a
TI Synthesis of indole-2-carbaldehydes, 2-(2-aminoethyl) - and 2-(2-aminopropyl)indoles
AU Siddappa, S.; Bhat, G. A.
CS Dep. Chem., Karnatak Univ., Dharwar, India
SO Journal of the Chemical Society [Section] C: Organic (1971), (1), 178-81
CODEN: JSOOAX; ISSN: 0022-4952
DT Journal
LA English
GI For diagram(s), see printed CA Issue.
AB Et indole-2-carboxylate derivs. (e.g. I) were reduced by LiAlH4 to indole-2-methanol derivs. (e.g. II). These were oxidized by MnO2 to indole-2-carboxaldehyde derivs. (e.g. III), which were also prepared from the indole-2-carboxylates by the McFadyen-Stevens reaction. The aldehydes reacted with MeNO2 and EtNO2, and the condensation products (e.g. IV and V) were reduced by LiAlH4 to 2-(2-aminoethyl)indoles (e.g. VI) and 2-(2-aminopropyl)indoles (e.g. VII), resp.
IT 22930-50-3P 30464-79-0P 30464-80-3P
30464-81-4P 30504-21-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 22930-50-3 CAPLUS

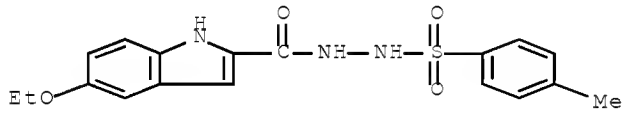
CN 1H-Indole-2-carboxylic acid, 5-methoxy-,
2-[(4-methylphenyl)sulfonyl]hydrazide (CA INDEX NAME)



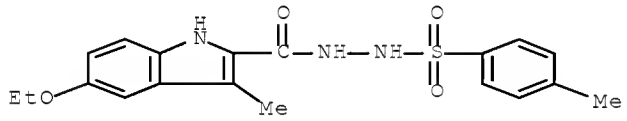
RN 30464-79-0 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methoxy-3-methyl-,
2-[(4-methylphenyl)sulfonyl]hydrazide (CA INDEX NAME)



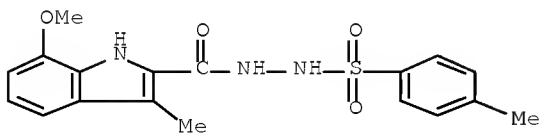
RN 30464-80-3 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-ethoxy-,
2-[(4-methylphenyl)sulfonyl]hydrazide (CA INDEX NAME)



RN 30464-81-4 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-ethoxy-3-methyl-,
2-[(4-methylphenyl)sulfonyl]hydrazide (CA INDEX NAME)



RN 30504-21-3 CAPLUS
CN 1H-Indole-2-carboxylic acid, 7-methoxy-3-methyl-,
2-[(4-methylphenyl)sulfonyl]hydrazide (CA INDEX NAME)

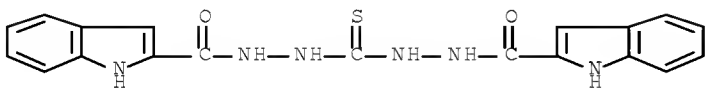


OSC.G 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD (5 CITINGS)

L5 ANSWER 53 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1970:67724 CAPLUS Full-text
DN 72:67724
OREF 72:12385a,12388a
TI Increasing the resistance of olefin polymers to copper catalyzed oxidation
IN Minagawa, Motonobu; Nakagawa, Kenichi
PA Societe Anon. Argus Chemical N. V.
SO Ger. Offen., 52 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 1927447	B2	19750123	DE 1969-1927447	19690529 <--
	DE 1927447	C3	19750904		
	GB 1274759	A	19720517	GB 1969-1274759	19690520 <--
	US 3629189	A	19711221	US 1969-828365	19690527 <--
	BE 733822	A	19691201	BE 1969-733822	19690530 <--
	FR 2009661	A5	19700206	FR 1969-17755	19690530 <--
PRAI	JP 1968-36929	A	19680530		

GI For diagram(s), see printed CA Issue.
AB Heterocyclic hydrazines and lactams such as 4-(hydrazinocarbonyl) - 1H - 1,2,3 - triazole, 5 - (hydrazinocarbonyl) - 2-pyrrolidinone, and 5-(1H-1,2,4-triazol-3-ylaminocarbonyl)-2-pyrrolidinone (I) are added to polypropylene (II) to provide oxidation resistance when the polyolefin is used in contact with Cu (e.g., as elec. insulation for Cu wire). The Cu-catalyzed oxidation of II is impeded to an even greater extent by addition of pentaerythritol, trimethylolpropane, distearyl thiodipropionate (III), tris(nonylphenyl) phosphite (IV), tristearyl borate, or similar stabilizers along with heterocyclic compds. Thus, 100 parts II was mixed with 1,1,3-tris(5-tert-butyl - 4-hydroxy-2- methylphenyl)butane 0.05, III 0.15, IV 0.1, powdered Cu, and I 0.5 part. In an oxidation test, a film prepared from this mixture had induction time 2250 hr, compared with <20 hr for a control composition prepared similarly but without I.
IT 26391-73-1
RL: USES (Uses)
(stabilizers, for propene polymers)
RN 26391-73-1 CAPLUS
CN Carbohydrazide, 1,5-bis(indol-2-ylcarbonyl)-3-thio- (8CI) (CA INDEX NAME)

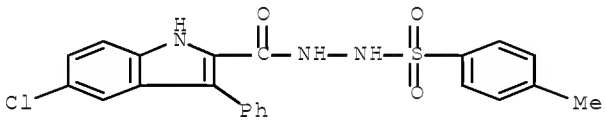


L5 ANSWER 54 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1970:21728 CAPLUS Full-text
DN 72:21728
OREF 72:3989a,3992a
TI 2-Oxo-6-phenyl-1,5-benzodiazocines and 2-oxo-7-phenyl-1,6-benzodiazonines
IN Yamamoto, Hisao; Inaba, Shigeho; Okamoto, Tadashi; Ishizumi, Kikuo; Yamamoto, Michihiro; Maruyama, Isamu; Hirohashi, Toshiyuki; Mori, Kazuo;

Kobayashi, Tsuyoshi
PA Sumitomo Chemical Co., Ltd.
SO Ger. Offen., 48 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 1814332	A	19691016	DE 1968-1814332	19681212 <--
	DE 1814332	B2	19750227		
	DE 1814332	C3	19751016		
PRAI	DE 1968-1814332		19681212		

GI For diagram(s), see printed CA Issue.
AB I (n = 2 or 3) useful as tranquilizers or muscle relaxants, were prepared by treatment of a 2-(aminoalkyl)indole with an oxidizing agent. Thus, 2 g CrO3 in 2 ml H2O was added dropwise to a suspension of 2 g 1-methyl-2(2-aminoethyl)-3-phenyl-5-chloroindole-HCl (II) in 20 ml HOAc at 10°, the mixture stirred 16 hr at 20° and worked up, and the product (0.7 g) refluxed 30 hr with 20 ml pyridine to give I (n = 2), m. 175-80° (EtOH). I (n = 3), m. 201-6° (absolute EtOH), was similarly prepared II was prepared by treatment of 5-chloro-1-methyl-3-phenylindole-2-carboxylic acid Et ester with N2H4.H2O to give the hydrazide, m. 170-3° (EtOH), reaction of this with p-MeC6H4SO2Cl to give 1-(5-chloro-1-methyl-3-phenyl-2-indolylcarbonyl)-2-p-tolylsulfonylhydrazine, reaction of this with Na2CO3 and glycerol followed by treatment with H2O to give 5-chloro-1-methyl-3-phenylindole-2- carboxaldehyde, treatment of this with MeNO2, tetrahydrofuran, and MeOH to give 1-methyl-5-chloro-2-(2-nitrovinyl)-3-phenylindole, and addition of HCl to this, to give II.
IT 26260-85-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 26260-85-5 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-chloro-3-phenyl-, 2-[(4-methylphenyl)sulfonyl]hydrazide (CA INDEX NAME)



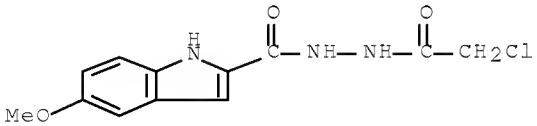
L5 ANSWER 55 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1969:412941 CAPLUS Full-text
DN 71:12941
OREF 71:2363a,2366a
TI Indole derivatives. XXV. Use of the ethyl ester of 5-methoxyindole-2-carboxylic acid and its hydrazide in reductions, chloroacylations, and the preparation of hydrazones
AU Mndzhoyan, A. L.; Papayan, G. L.; Gabrielyan, G. E.
CS Inst. Tonkoi Org. Khim., Erevan, USSR
SO Armyanskii Khimicheskii Zhurnal (1969), 22(1), 51-6
CODEN: AYKZAN; ISSN: 0515-9628
DT Journal
LA Russian
GI For diagram(s), see printed CA Issue.

AB A mixture of 0.1 mole 5-methoxyindole-2-carboxylic acid (I), 60 g. 85% N2H4.H2O, and 200 cc. EtOH heated on a water bath gave 85% I hydrazide (II), m. 236-8°. II heated with Me2CO and I drop AcOH gave 93.8% III (R = R1 = Me) (IV), m. 197-8°; HCl salt m. 285-6°. II and p-Me2NC6H4CHO in EtOH gave 68.1% III (R = H, R1 = p-Me2NC6H4), m. 188-9° (HCONMe2); HCl salt m. 195-6°. A mixture of 0.01 mole II, 30 cc. freshly distilled AcCH2CO2Et, 1 drop AcOH, and 60 cc. C6H6 heated so as to remove H2O formed gave 44% III (R = Me, R1 = CH2CO2Et), m. 119-20° (EtOHEt2O); HCl salt m. 288-9°. Similarly was prepared 63.5% III [R = Me, R1 = (CH2)3CO2H], m. 185-6° (EtOH-Et2O). A mixture of 0.01 mole ClCH2COCl and 0.01 mole II in CHCl3 and AcOH heated on a water bath gave 76.3% I chloroacetylhydrazide (V), m. 226-7° (dioxane-H2O). Similarly was prepared 64.5% I β-chloropropionylhydrazide, m. 211-12°. A mixture of 0.01 mole V, excess Et2NH, and dioxane kept 12 hrs. at room temperature, then heated gave 59.7% VI (R = CH2NEt2), m. 162-3°. Similarly was prepared 63% VI (R = CH2CH2NEt2), m. 100-2°. p-MeC6H4SO2Cl (1.9 g.) was added in small portions to 0.01 mole II in 25 cc. C5H5N, and the mixture kept at room temperature overnight and poured onto ice to give 92% 5-methoxyindole-3-carboxylic acid p-tolylsulfonylhydrazide, m. 233-4°. Similarly was prepared the phenylsulfonyl hydrazide, m. 221-2°, in 82% yield. A mixture of 0.01 mole II, 0.6 g. urea, and 30 cc. H2O boiled 18-20 hrs. gave 88.2% I semicarbazide, m. 198-9°. A mixture of 0.01 mole II, 0.01 mole phthalic anhydride, and 15 cc. HCONMe2 heated at 140-45° 4-5 hrs. gave 92% N-(5-methoxy-2-indoloylamino)phthalimide, m. 289-90°. A solution of 0.1 mole I in a mixture of Et2O and C6H6 was added dropwise to 0.76 g. LiAlH4 in Et2O, and the mixture heated on a water bath and worked up to give 79.1% 3-hydroxymethyl-5-methoxyindole, m. 78-9° (Et2O-petroleum ether). A mixture of 0.01 mole I, 25 cc. piperidine, and 5 cc. AcOH heated 6 hrs. gave 73.6% I piperidide, m. 196-7° (Me2CO-Et2O). SOCl2 and I in Et2O kept at room temperature 24 hrs., evaporated, and treated with concentrated NH3 gave 5-methoxyindole-2-carboxamide, m. 201-2°. Similarly was prepared 5-methoxyindole-2-[N,N-bis(p-chloroethyl)]carboxamide, m. 157-8°(EtOH-H2O). A solution of 0.004 mole III in 7 cc. HCONMe2 slowly added to 0.8 g. LiAlH4 in Et2O, heated, and decomposed with NH4Cl and NaOH gave 69% I N-isopropylhydrazide, m. 81-2°.

IT 22930-46-7P 22930-47-8P 22930-48-9P
22930-49-0P 22930-50-3P 22930-51-4P
22930-52-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

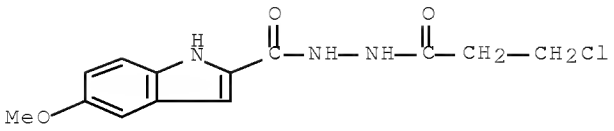
RN 22930-46-7 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-methoxy-, 2-(2-chloroacetyl)hydrazide (CA INDEX NAME)

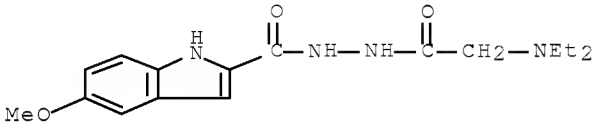


RN 22930-47-8 CAPLUS

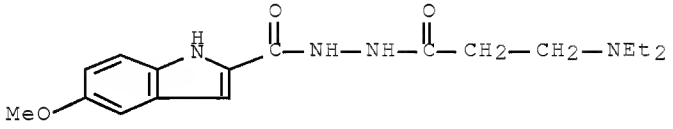
CN 1H-Indole-2-carboxylic acid, 5-methoxy-, 2-(3-chloro-1-oxopropyl)hydrazide (CA INDEX NAME)



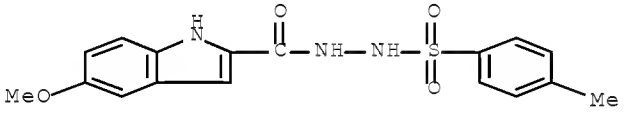
RN 22930-48-9 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methoxy-, 2-[2-(diethylamino)acetyl]hydrazide (CA INDEX NAME)



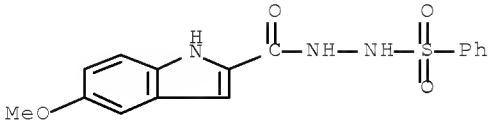
RN 22930-49-0 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methoxy-, 2-[3-(diethylamino)-1-oxopropyl]hydrazide (CA INDEX NAME)



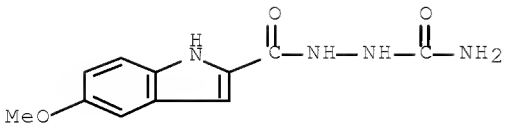
RN 22930-50-3 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methoxy-, 2-[(4-methylphenyl)sulfonyl]hydrazide (CA INDEX NAME)



RN 22930-51-4 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methoxy-, 2-(phenylsulfonyl)hydrazide (CA INDEX NAME)

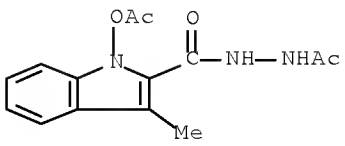


RN 22930-52-5 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methoxy-, 2-(aminocarbonyl)hydrazide (CA INDEX NAME)

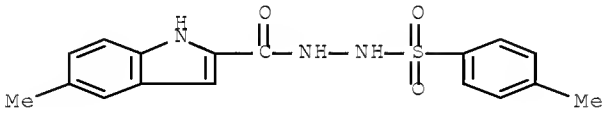


OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

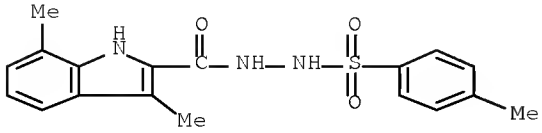
L5 ANSWER 56 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1969:67824 CAPLUS Full-text
DN 70:67824
OREF 70:12653a
TI Stereochemistry of ethyl α-cyano-β-methylcinnamates
AU Nagai, Wakatu; Miwa, Toshio
CS Osaka City Univ., Osaka, Japan
SO Nippon Kagaku Zasshi (1968), 89(10), 958-66
CODEN: NPKZAZ; ISSN: 0369-5387
DT Journal
LA Japanese
AB Cope-Knoevenagel condensation of o-O2NC6H4Ac with NCCH2CO2Et gave 84.2% oil (I), b4 175-80°, which on standing solidified and afforded pale yellow prisms (II), m. 77°, on recrystn. II (2.6 g.) in 30 ml. PhMe and 10 ml. EtOH treated with 3 g. 80% N2H4.H2O and Raney Ni at reflux temperature gave 1-hydroxy-3-methyl-2-indolecarboxylic acid hydrazide (III), m. 182° (decomposition), O,N-di-Ac derivative m. 123-5°. Treating III with HNO2 gave 1-hydroxy-3-methyl-2-indolecarbonyl azide. Hydrogenation of II over 5% Pd-C in EtOH yielded o-H2NC6H4-Ac, 21.8% 2-amino-4-ethoxycarbonyl-4-methylquinoline 1-oxide, m. 175-7°, and 36.3% 1-hydroxy-3-cyano-4-methyl-2-quinolone (IV), m. 254-6°; acetate, m. 173-4°. IV has another form, m. 202-3°; acetate, m. 159-60°. Hydrogenation of II in AcOH or tetrahydrofuran gave 78% IV and a small amount 3-cyano-4-methylcarbostyril. Thus the configuration of II is cis. The N.M.R. spectrum of I indicates that I is a mixture of 1.86:1 II and the trans isomer. ArCMe:C(CN)CO2Et were prepared (substituent and composition ratio, taking cis as 1, given): p-Br, 1/3,20; o-O2N, 1/0; o-Me, 1/1.04; o-MeO, 1/1.03. M.p. of cis-p-Br-C6H4CMe:C(CN)CO2Et (V) is 84°. Treating p-BrC6H4CH:C(CN)CO2Et with CH2N2 yielded trans-V, m. 97.5°. The ratio of isomers is discussed from its steric aspects. N.M.R. and uv spectra and isomerization of these compds. are discussed. 3-Cyano-4,6-bis(p-bromophenyl)-6-methyl-2-oxo-1,2,5,6-tetrahydropyridine, m. 252-3°, was isolated from the condensation of p-BrC6H4Ac and NCCH2CO2Et.
IT 21771-73-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 21771-73-3 CAPLUS
CN 1H-Indole-2-carboxylic acid, 1-(acetyloxy)-3-methyl-, 2-acetylhydrazide (CA INDEX NAME)



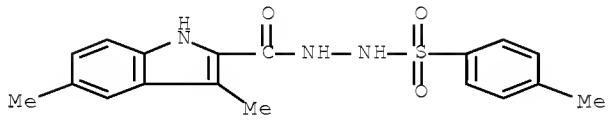
L5 ANSWER 57 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1965:90729 CAPLUS Full-text
DN 62:90729
OREF 62:16177d-f
TI Synthetic studies in the indole field. VII. Synthesis of indole-2-carboxaldehydes
AU Dambal, S. B.; Siddappa, S.
CS Karnatak Univ., Dharwar
SO Journal of the Indian Chemical Society (1965), 42(2), 112-14
CODEN: JICSAH; ISSN: 0019-4522
DT Journal
LA English
OS CASREACT 62:90729
GI For diagram(s), see printed CA Issue.
AB cf. CA 61, 16040c. Indole-2-carboxaldehydes were prepared by McFadyen-Stevens redns. of the corresponding indole-2-carboxylic acid derivs. Thus, 2.5 g. anhydrous K2CO3 added to I (R = CONHNHO2SC6H4Me-p, R1 = H, R2 = 5-Me) and 25 ml. HOCH2CH2OH at 160°, the mixture poured after 5 min. onto 500 g. ice, filtered, and the precipitate crystallized (EtOH) gave 90% I (R = CHO, R1 = H, R2 = 5-Me), m. 175-6°; 2,4-dinitrophenylhydrazine (DNP) derivative m. 285°. Similarly prepared were the following I (R = CHO) (R2, R2, m.p., % yield, and m.p. DNP derivative given): H, 7-Me, 190°, 45, 265°, Me, 5-Me, 140°, 90, 315°; and Me, 7-Me, 138°, 80, 276°. The following hydrazides I (R = CONHNH2) and their p-tosyl derivs. were prepared as intermediates (R1, R2, m.p., and m.p. of p-tolylsulfonyl derivative given): H, 5-Me, 249°, 251°; H, 7-Me, 261°, 220°; Me, 5-Me, 264°, 236°; and Me, 7-Me 245°, 243°.
IT 1463-63-4P, Hydrazine, 1-[(5-methylindol-2-yl)carbonyl]-2-(p-tolylsulfonyl)- 2784-23-8P, Hydrazine, 1-[(3,7-dimethylindol-2-yl)carbonyl]-2-(p-tolylsulfonyl)- 2784-24-9P, Hydrazine, 1-[(3,5-dimethylindol-2-yl)carbonyl]-2-(p-tolylsulfonyl)- 2898-94-4P, Hydrazine, 1-[(7-methylindol-2-yl)carbonyl]-2-(p-tolylsulfonyl)-
RL: PREP (Preparation)
(preparation of)
RN 1463-63-4 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methyl-, 2-[(4-methylphenyl)sulfonyl]hydrazide (CA INDEX NAME)



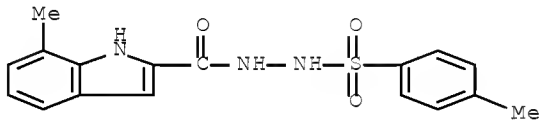
RN 2784-23-8 CAPLUS
CN 1H-Indole-2-carboxylic acid, 3,7-dimethyl-, 2-[(4-methylphenyl)sulfonyl]hydrazide (CA INDEX NAME)



RN 2784-24-9 CAPLUS
CN 1H-Indole-2-carboxylic acid, 3,5-dimethyl-,
2-[(4-methylphenyl)sulfonyl]hydrazide (CA INDEX NAME)



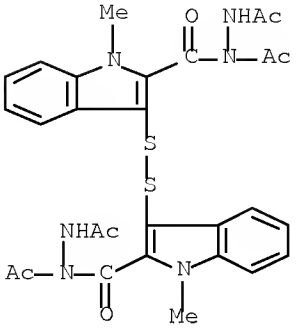
RN 2898-94-4 CAPLUS
CN 1H-Indole-2-carboxylic acid, 7-methyl-,
2-[(4-methylphenyl)sulfonyl]hydrazide (CA INDEX NAME)



OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

L5 ANSWER 58 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1964:23245 CAPLUS Full-text
DN 60:23245
OREF 60:4088h,4089a-c
TI Reaction of indole derivatives with thionyl and sulfuryl chlorides
AU Szmuszkovicz, Jacob
CS Upjohn Co., Kalamazoo, MI
SO Journal of Organic Chemistry (1964), 29(1), 178-84
CODEN: JOCEAH; ISSN: 0022-3263
DT Journal
LA Unavailable
OS CASREACT 60:23245
GI For diagram(s), see printed CA Issue.
AB Reaction of 1-methylindole-2-carboxylic acid, the corresponding methyl ester (I), and of Et indole-2-carboxylate with thionyl chloride afforded sulfinyl chlorides (II, III, and IV, resp.). Thionyl chloride and N,1-dimethylindole-2-carboxamide led to sulfide (V, R = CONHMe) and imide sulfoxide (VI). III was converted to several sulfinamides (VII) on treatment with amines. VII were oxidized with permanganate to sulfonamides (VIII). Treatment of III with hydrazine in the cold gave disulfide (IX, R = CO2Me) (X), which was transformed to IX (R = CONHNH2) on heating with hydrazine. Monosulfide (V, R = CO2Me), disulfide X, and trisulfide XI were obtained from the reaction of I with sulfur monochloride. Reaction of 1-methylindole-2-carboxylic acid hydrazide with sulfuryl chloride led to the dichloro compound (XII), and I with sulfuryl chloride afforded the tetrachloro compound (XIII) and the hexachloro compound (XIV).
IT 107225-63-8P, Hydrazine,
1,1'-[dithiobis[(1-methylindole-3,2-diyl)carbonyl]bis[1,2-diacetyl]-
RL: PREP (Preparation)
(preparation of)
RN 107225-63-8 CAPLUS
CN Hydrazine, 1,1'-[dithiobis[(1-methylindole-3,2-diyl)carbonyl]]bis[1,2-

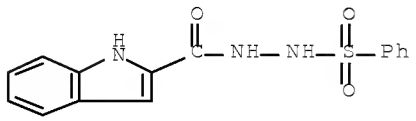
diacetyl- (7CI) (CA INDEX NAME)



OSC.G 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)

L5 ANSWER 59 OF 59 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1956:77870 CAPLUS Full-text
DN 50:77870
OREF 50:14744g-i,14745a-b
TI Syntheses of antituberculous compounds. V. Derivatives of pyridine and indole
AU Kakimoto, Shichiro; Nishie, Jun
CS Hokkaido Univ., Sapporo
SO Japan. J. Tuberc. (1954), 2, 334-7
DT Journal
LA Unavailable
AB cf. C.A. 49, 1165g. A mixture of 0.4 g. 2-chloroisonicotinic acid, 0.1 g. Cu powder, and BuONa (prepared from 0.3 g. Na in 15 ml. BuOH) is refluxed 3 hrs., the solvent removed and the residue in H2O is acidified with dilute HCl to give 0.2 g. 2-butoxyisonicotinic acid (I), m. 120°. I (1.0 g.) is refluxed 2 hrs. with 6 ml. absolute EtOH containing 2 ml. concentrated H2SO4, and the solution poured into 30 ml. H2O, made alkaline with K2CO3 and extracted with Et2O. The ether is evaporated and the residue refluxed 6 hrs. with 2 ml. 60% N2H4.H2O in 20 ml. EtOH to give after recrystn. from EtOH 0.6 g. 2-butoxyisonicotinic acid hydrazide, m. 104°. To 10 g. NaNH2 in 20 ml. Decalin, 10 g. 4-methylpyridine is added and the mixture heated 10 hrs. at 140-50°. On cooling and treatment with water 8.5 g. 2-amino-4-methylpyridine (II), m. 102°, is obtained. II (1.0 g.) in 1 ml. AcOH refluxed 2 hrs. with 2 ml. Ac2O gives 1.0 g. 2-acetamido-4-methylpyridine (III), m. 104°. III (1.0 g.) in 100 ml. H2O containing 1.7 g. MgSO4 is oxidized with 1.5 g. KMnO4 under reflux, stirred 4 hrs. at 60°, the mixture is filtered, and the filtrate concentrated to 15 ml. and cooled. The oily substance deposited is filtered off and the filtrate acidified with AcOH. Purification of the precipitated material gives 0.5 g. 2-aminoisonicotinic acid (IV), m. above 300°; Et ester, m. 25° (crude), converted to 2-aminoisonicotinic acid hydrazide, m. 189°. 2-Indolecarboxylic acid (1.2 g.) in 45 ml. MeOH saturated with dry HCl at 0°, and left 12 hrs. gives 1.0 g. Me ester, m. 148-9°. The ester is converted to the hydrazide (V), m. 225° (decomposition). V (1.1 g.) in 9 ml. C5H5N is treated with 1.3 g. PhSO2Cl with cooling and allowed to stand 5 hrs. The mixture is evaporated to dryness in vacuo to give on recrystn. from 60% EtOH 7.5 g. 2-indolecarboxylic acid benzenesulfonylhydrazide (VI), m. 231° (decomposition) A mixture of 0.5 g. VI, 0.35 g. Na2CO3, 0.25 g. thiosemicarbazide, and 5 ml. glycerol is heated 2 min. at 130°, cooled, and diluted with 10 ml. H2O to give 0.15 g. 2-indolecarboxaldehyde thiosemicarbazone, yellow needles, m. 231° (decomposition).

IT 858213-13-5P, Hydrazine,
1-(2-indolylcarbonyl)-2-(phenylsulfonyl)-
RL: PREP (Preparation)
(preparation of)
RN 858213-13-5 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-(phenylsulfonyl)hydrazide (CA INDEX NAME)

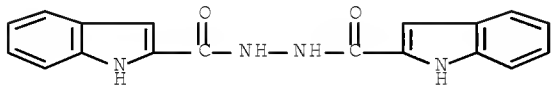


OSC.G 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)

=> s l4 not l5
L6 29 L4 NOT L5

=> dis l6 1-29 bib abs fhitstr

L6 ANSWER 1 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2010:129736 CAPLUS Full-text
DN 152:381375
TI Investigation of interaction of benzoquinones and naphthoquinones with substituted hydrazides
AU Hassan, Alaa A.; Ibrahim, Yusria R.; Shawky, Ahmed M.
CS Department of Chemistry, Faculty of Science, Minia University, El-Minia, Egypt
SO Journal of Heterocyclic Chemistry (2010), 47(1), 118-124
CODEN: JHTCAD; ISSN: 1943-5193
PB John Wiley & Sons, Inc.
DT Journal
LA English
AB Nucleophilic attack of substituted hydrazides on C(2), C(3) of 2,3,5,6-tetrachloro-1,4-benzoquinone and 2,3-dichloro-1,4-naphthoquinone led to benzo[e][1,3,4]oxadiazines and benzo- as well as naphthoxadiazepines. On the other hand, hydrazides attacked 1,4-naphthoquinone-2,3-dicarbonitrile to form benzo[f]indazole-4,9-diones. A rationale for the conversions observed was presented.
IT 188837-57-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(heterocyclization of benzoquinone and naphthoquinone with hydrazides)
RN 188837-57-2 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-(1H-indol-2-ylcarbonyl)hydrazide (CA INDEX NAME)



RE.CNT 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

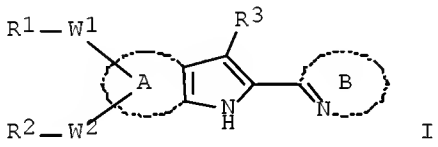
L6 ANSWER 2 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2009:1262329 CAPLUS Full-text
DN 151:470187
TI Preparation of fused ring compounds as glucokinase activators
IN Yasuma, Tsuneo; Takakura, Nobuyuki
PA Takeda Pharmaceutical Company Limited, Japan
SO PCT Int. Appl., 284pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2009125873	A1	20091015	WO 2009-JP57625	20090409

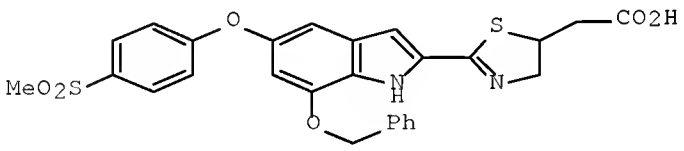
W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRAI JP 2008-102691 A 20080410
OS MARPAT 151:470187
GI



I



II

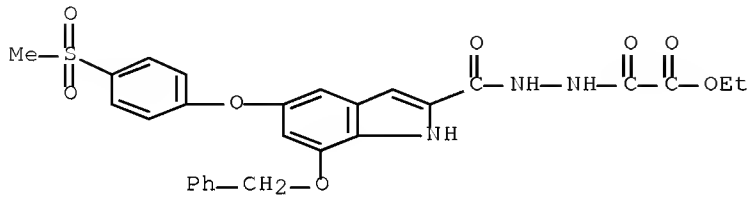
AB The present invention aims to provide a glucokinase activator useful as a pharmaceutical agent such as an agent for the prophylaxis or treatment of diabetes, obesity and the like. The present invention provides a glucokinase activator containing a compound I [ring A = 6-membered ring (optionally further substituted); ring B = (un)substituted 5-7 membered N-containing heterocycle; W1, W2 = O, S, SO, SO2, NH, N(alkyl); R1 = (un)substituted Me, alkyl, cycloalkyl, aryl, heterocyclyl; R2 = (un)substituted alkyl, cycloalkyl; R3 = H, halo; with the proviso]. Over one-hundred compds. I were prepared and formulated. E.g., a multi-step synthesis of II, starting from 5-fluoro-2-nitrophenol and benzyl bromide, was given. Exemplified compds. I were tested

for GK activation (data given for representative compds. I). For example, II showed EC50 of 0.55 μM.

IT 1191102-87-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of thiazolylindole derivs. as glucokinase activators for treating diabetes, obesity and the like)

RN 1191102-87-0 CAPLUS

CN Ethanedioic acid, 1-ethyl ester, 2-[2-[[5-[4-(methylsulfonyl)phenoxy]-7-(phenylmethoxy)-1H-indol-2-yl]carbonyl]hydrazide] (CA INDEX NAME)



RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 3 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN

AN 2009:988625 CAPLUS Full-text

DN 151:358598

TI Synthesis and antimicrobial activity of some 5-substituted-3-phenyl-Nβ-(substituted-2-oxo-2H-pyrano[2,3-b]quinoline-3-carbonyl)-1H-indole-2-carboxyhydrazide

AU Mathada, Basavarajaiah Suliphal Devara; Mathada, Mruthyunjayaswamy Bennikallu Hire

CS Department of Studies and Research in Chemistry, Gulbarga University, Gulbarga, 585106, India

SO Chemical & Pharmaceutical Bulletin (2009), 57(6), 557-560
CODEN: CPBTAL; ISSN: 0009-2363

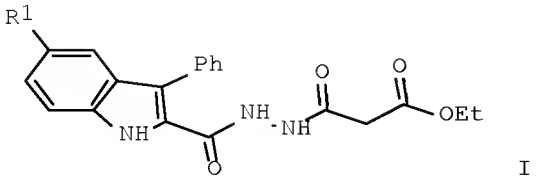
PB Pharmaceutical Society of Japan

DT Journal

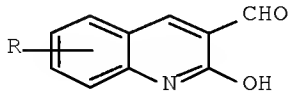
LA English

OS CASREACT 151:358598

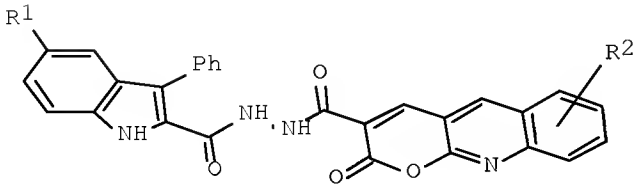
GI



I



II



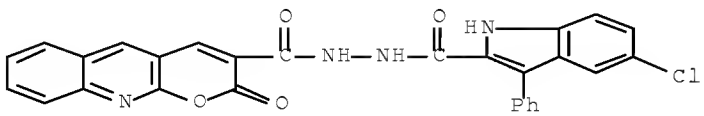
III

AB Et 3-oxo-3-{2-[(5-substituted-3-phenyl-1H-indol-2-yl)carbonyl]hydrazinyl}propanoates I (R=Cl, OMe) were synthesized according to the literature method. These on further reaction with substituted-2-hydroxy-3-formyl-quinolines II (R=H,7-Br,7-CH3,9-CH3,9-OCH3) yielded 5-substituted-Nβ-(2-oxo-2H-pyrano[2,3-b]quinoline-3-carbonyl)- 3-phenyl-1H-indole-2-carbohydrazides III (R1=Cl,OCH3; R2=H,7-Br,7-CH3,9-CH3,9-OCH3). Structures of the all the newly synthesized compds. were confirmed by spectral data. All these compds. have been screened for their antibacterial activity against Staphylococcus aureus, Escherichia coli and Bacillus subtilus, antifungal activity against Aspergillus niger and Candida albicans and antituberculosis activity against Mycobacterium tuberculosis (H37Rv).

IT 1187440-56-7P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation, antimicrobial and antituberculosis activity of pyranoquinolineindolecarboxyhydrazides via heterocyclization of indolylcarbonylhydrazinyl propanoates with hydroxyformyl quinolines)

RN 1187440-56-7 CAPLUS

CN 2H-Pyrano[2,3-b]quinoline-3-carboxylic acid, 2-oxo-, 2-[(5-chloro-3-phenyl-1H-indol-2-yl)carbonyl]hydrazide (CA INDEX NAME)



RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

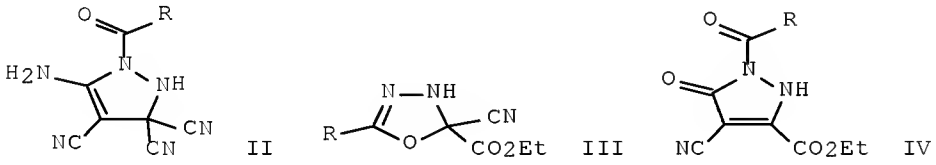
L6 ANSWER 4 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2009:875187 CAPLUS Full-text
DN 151:358620
TI Synthesis of novel pyrazole derivatives and evaluation of their

antidepressant and anticonvulsant activities

AU Abdel-Aziz, Mohamed; Abuo-Rahma, Gamal El-Din A.; Hassan, Alaa A.
CS Department of Medicinal Chemistry, Faculty of Pharmacy, Minia University, Minia, Egypt

SO European Journal of Medicinal Chemistry (2009), 44(9), 3480-3487
CODEN: EJMCA5; ISSN: 0223-5234
PB Elsevier Masson SAS
DT Journal
LA English
OS CASREACT 151:358620

GI

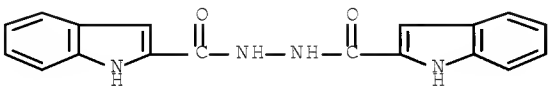


II III IV

AB Substituted carboxylic acid hydrazides RCONHNH2 (R = Ph, 2-thienyl, 2-pyridyl, 2-indolyl) (I) reacted with tetracyanoethylene in DMF with the formation of diacylhydrazines RCONHNHCOR and 5-aminopyrazole-3,3,4-tricarbonitriles II. On the other hand, I reacted with di-Et (E)-2,3-dicyanobutenedioate to give oxadiazoles III and pyrazolones IV. The prepared diacylhydrazines and pyrazoles II and IV were evaluated for their antidepressant activity using tail suspension behavioral despair test and anticonvulsant activity against PTZ induced seizures in mice. Diacylhydrazines RCONHNHCOR (R = Ph, 2-thienyl) induced markedly antidepressant activity compared to imipramine, and their activities as antidepressants nearly equal twice the activity of imipramine at 10 mg/kg-1 dose level. On the other hand, IV (R = Ph, 2-thienyl, 2-indolyl) exhibited remarkable protective effect against clonic seizures induced by i.p. injection of PTZ at a dose level of 20 mg/kg-1. The results of anticonvulsant activity are nearly close to phenobarbital sodium at a dose level of 30 mg/kg-1and more potent than phenytoin sodium at a dose level of 30 mg/kg-1.

IT 188837-57-2P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(synthesis of diacylhydrazines and (acyl)(amino)tricyanopyrazoles from hydrazides and tetracyanoethylene and evaluation of their antidepressant and anticonvulsant activities)

RN 188837-57-2 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-(1H-indol-2-ylcarbonyl)hydrazide (CA INDEX NAME)



RE.CNT 58 THERE ARE 58 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 5 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN

AN 2008:1533886 CAPLUS Full-text
DN 150:56394
TI Synthesis and compositions of deoxycholic acid for the removal of fat deposits
IN Moriarty, Robert M.; David, Nathaniel E.; Mahmood, Nadir Ahmeduddin
PA Kythera Biopharmaceuticals, Inc., USA
SO U.S. Pat. Appl. Publ., 31pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 20080318870	A1	20081225	US 2008-35339	20080221
	AU 2008265721	A1	20081224	AU 2008-265721	20080618
	CA 2690841	A1	20081224	CA 2008-2690841	20080618
	WO 2008157635	A2	20081224	WO 2008-US67391	20080618
	WO 2008157635	A3	20090604		
	W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
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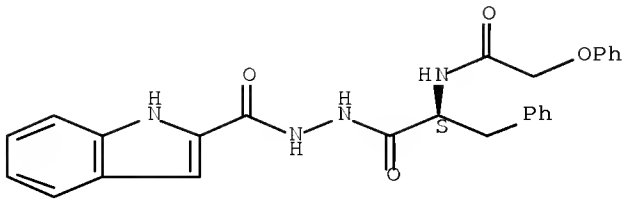
	EP 2069383	A2	20090617	EP 2008-771400	20080618
	R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LI, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, AL, BA, MK, RS				
	KR 2010031512	A	20100322	KR 2009-726748	20080618
	IN 2008DE02264	A	20100409	IN 2008-DE2264	20080926
	CN 101711254	A	20100519	CN 2008-80019212	20091207
PRAI	US 2007-945035P	P	20070619		
	US 2007-956875P	P	20070820		
	US 2008-35339	A	20080221		
	GB 2008-7615	A	20080425		
	US 2008-153446	A	20080516		
	WO 2008-US67391	W	20080618		

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

AB Deoxycholic acid is prepared, and compns. for the removal of fat deposits are described. The bile acids are not isolated from mammalian and microbial organisms and are free of toxins and contaminants such as pyrogenic moieties. Thus, deoxycholic acid is prepared starting from hydrocortisone in several steps.

IT 274934-35-9, S.A.0204
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(co-drug; synthesis and compns. of deoxycholic acid for removal of fat deposits)
RN 274934-35-9 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-[1-oxo-2-[(2-phenoxyacetyl)amino]-3-phenylpropyl]hydrazide (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 6 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2008:1533885 CAPLUS Full-text
DN 150:56393
TI Synthesis and compositions of deoxycholic acid for the removal of fat deposits
IN Moriarty, Robert M.; David, Nathaniel E.; Mahmood, Nadir Ahmeduddin; Prasad, Achampeta Rathan; Swaringen, Roy A., Jr.; Reid, John Gregory; Sahoo, Akhila Kumar
PA Kythera Biopharmaceuticals, Inc., USA
SO PCT Int. Appl., 87pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2008157635	A2	20081224	WO 2008-US67391	20080618
	WO 2008157635	A3	20090604		
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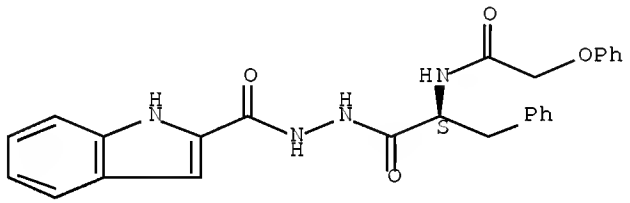
	US 20080318870	A1	20081225	US 2008-35339	20080221
	GB 2452358	A	20090304	GB 2008-7615	20080425
	GB 2452358	B	20091209		
	GB 2460350	A	20091202	GB 2009-12493	20080425
	US 20090270642	A1	20091029	US 2008-153446	20080516
	AU 2008265721	A1	20081224	AU 2008-265721	20080618
	CA 2690841	A1	20081224	CA 2008-2690841	20080618
	EP 2069383	A2	20090617	EP 2008-771400	20080618
	R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LI, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, AL, BA, MK, RS				
	KR 2010031512	A	20100322	KR 2009-726748	20080618
	IN 2008DE02264	A	20100409	IN 2008-DE2264	20080926
	CN 101711254	A	20100519	CN 2008-80019212	20091207
PRAI	US 2007-945035P	P	20070619		
	US 2007-956875P	P	20070820		
	US 2008-35339	A	20080221		
	GB 2008-7615	A	20080425		

US 2008-153446 A 20080516
WO 2008-US67391 W 20080618
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OS CASREACT 150:56393; MARPAT 150:56393
AB Deoxycholic acid is prepared, and compns. for the removal of fat deposits are described. The bile acids are not isolated from mammalian and microbial organisms and are free of toxins and contaminants such as pyrogenic moieties. Thus, deoxycholic acid is prepared from 9α-hydroxyandrost-4-ene-3,17-dione in several steps. The synthetic and bovine-derived sodium deoxycholate demonstrated similar cytolytic activity against human adipocytes.
IT 274934-35-9, S.A.0204
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(co-drug; synthesis and compns. of deoxycholic acid for removal of fat deposits)
RN 274934-35-9 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-[1-oxo-2-[(2-phenoxyacetyl)amino]-3-phenylpropyl]hydrazide (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 7 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2008:1419268 CAPLUS Full-text
DN 149:571286
TI Diacylhydrazine ligands for modulating expression of transgenes via chimeric ecdysone receptor complexes
IN Hormann, Robert Eugene; Potter, David W.; Chortyk, Orestes; Tice, Colin M.; Carlson, Glenn Richard; Meyer, Andrew; Opie, Thomas R.
PA Intrexon Corporation, USA
SO U.S., 84pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 7456315	B2	20081125	US 2004-787906	20040226
	US 20060020146	A1	20060126		
	AU 2004217510	A1	20040916	AU 2004-217510	20040227
	CA 2516993	A1	20040916	CA 2004-2516993	20040227
	WO 2004078924	A2	20040916	WO 2004-US5912	20040227
	WO 2004078924	A3	20050519		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN,

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             GQ, GW, ML, MR, NE, SN, TD, TG
     EP 1601642          A2    20051207    EP 2004-715710         20040227
        R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
            IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
     JP 2007524595       T     20070830    JP 2006-508884         20040227
     US 20080064741      A1    20080313    US 2007-841568         20070820
     US 7563928          B2    20090721
PRAI US 2003-455741P     P     20030228
     US 2004-787906      A     20040226
     WO 2004-US5912      A     20040227
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OS   MARPAT 149:571286
AB   The present invention relates to non-steroidal diacylhydrazine ligands
     AC(:X)N(G)N(E)C(:X')B [A = (substituted)Ph; B = A, (substituted)-6-membered
     heterocycle, 5-benzimidazolyl, 1H-indazole-3-yl, 1H-indole-2-yl, etc.; E =
     (substituted)-C4-10-branched alkyl; G = H, CN; X,X' = O, S] for use in nuclear
     receptor-based inducible gene expression systems.  A method to modulate
     exogenous gene expression is disclosed in which an ecdysone receptor complex
     comprising (1) a DNA binding domain, (2) a ligand binding domain, (3) a
     transactivation domain, (4) and a diacylhydrazine ligand is contacted with a
     DNA construct comprising the exogenous gene and a response wherein binding of
     the ecdysone receptor complex to the response element in the presence of the
     ligand results in activation or suppression of the gene.  A method for
     synthesizing the diacylhydrazines is further disclosed.  Thus, 2-Et-3-MeO-
     benzoic acid N'-t-Bu hydrazide was reacted with NaH, then pyrazine-2-
     carboxylic acid pentafluorophenyl ester was added to prepare pyrazine-2-
     carboxylic acid N-t-Bu-N'-(2-Et-3-MeO-benzoyl)hydrazide.  Many
     diacylhydrazines were synthesized and their water solubility and cell
     permeation coeffs. were determined These ligands were tested in mammalian
     cells expressing an ecdysone receptor complex and a reporter gene.  The
     receptor complex contained a first protein containing domains from spruce
     budworm ecdysone receptor fused to a GAL4 DNA binding domain and a second
     protein containing domains from human RXRβ and Locusta USP fused to the VP16
     transactivation domain. The reporter gene construct consisted of GAL4 response
     elements fused to a synthetic TATA minimal promoter upstream of a luciferase
     gene.  Similar expts. were conducted in vivo (in mice).
IT   755012-93-2P
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (diacylhydrazine ligands for modulating expression of transgenes via
        chimeric ecdysone receptor complexes)
RN   755012-93-2  CAPLUS
CN   1H-Indole-2-carboxylic acid, 1-methyl-,
     1-(1,1-dimethylethyl)-2-(2-ethyl-3-methoxybenzoyl)hydrazide  (CA INDEX
     NAME)
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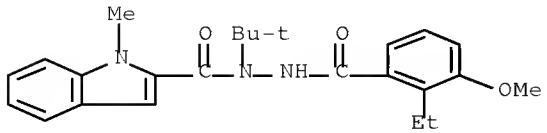


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OSC.G   2     THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)
RE.CNT  205   THERE ARE 205 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT
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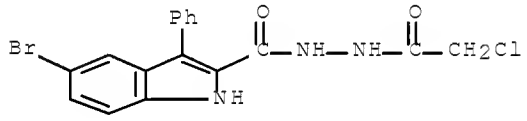
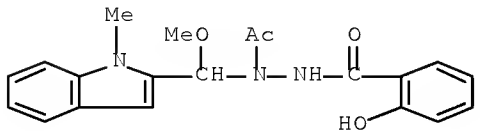
L6 ANSWER 8 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2008:1223845 CAPLUS Full-text
DN 150:423143
TI Intramolecular cyclization of N'-chloroacetylindole hydrazide
AU Sharma, Prabhuodeyara M. Veeresha
CS Department of Chemistry, Gulbarga University, Gulbarga, 585 106, India
SO Asian Journal of Chemistry (2008), 20(8), 6597-6599
CODEN: AJCHEW; ISSN: 0970-7077
PB Asian Journal of Chemistry
DT Journal
LA English
OS CASREACT 150:423143
AB In this paper, some active class of compds. were synthesized, which the linked to indole nucleus. Various Et indole-2-carboxylates (1a-c) were prepared according to the Fischer method. These esters on reaction with hydrazine hydrate in ethanol yielded substituted indole-2-carboxyhydrazides. Hydrazides on reaction with chloroacetyl chloride in dry dioxane at reflux temperature to get N'-chloroacetylindole hydrazide. The N'-chloroacetylindole hydrazide compds. on reaction sodium hydroxide in DMF at reflux temperature with constant stirring gave 5,6-dihydro-5-substituted-3-phenylindole-1,3,4-oxadiazin-5-one.
IT 1142922-67-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of indolyl-oxadiazinone derivs. by alkylation of indole-hydrazides with chloroacetyl chloride followed by intramol. cyclization of N'-chloroacetylindole hydrazides)
RN 1142922-67-5 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-bromo-3-phenyl-, 2-(2-chloroacetyl)hydrazide (CA INDEX NAME)



RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

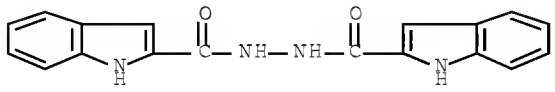
L6 ANSWER 9 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2008:1066574 CAPLUS Full-text
DN 152:64550
TI N-Acetyl-2-hydroxy-N'-[methoxy(1-methylindol-2-yl)methyl]benzohydrazide
AU Yehye, Wagee A.; Rahman, Noorsaadah Abdul; Ariffin, Azhar; Ng, Seik Weng
CS Department of Chemistry, University of Malaya, Kuala Lumpur, 50603, Malay.
SO Acta Crystallographica, Section E: Structure Reports Online (2008), E64(9), o1824
CODEN: ACSEBH; ISSN: 1600-5368
URL: http://journals.iucr.org/e/issues/2008/09/00/tk2298/tk2298.pdf
PB Wiley-Blackwell
DT Journal; (online computer file)
LA English
AB In the crystal structure of the title Schiff-base, C20H21N3O4, the amino group forms an N-H...O hydrogen bond to the acetyl group of an adjacent mol., forming a zigzag chain. The 2-hydroxy group is internally hydrogen bonded to the amido group though an O-H...O hydrogen bond. Crystallog. data are given.
IT 1199807-03-7P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(crystal structure of)
RN 1199807-02-7 CAPLUS
CN Benzoic acid, 2-hydroxy-, 2-acetyl-2-[methoxy(1-methyl-1H-indol-2-yl)methyl]hydrazide (CA INDEX NAME)



OSC.G 6 THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD (6 CITINGS)

L6 ANSWER 10 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2008:978960 CAPLUS Full-text
DN 150:373771
TI Reactions of substituted carbohydrazides with electron-poor olefins
AU Hassan, Alaa A.; Ibrahim, Yusria R.; Shawky, Ahmed M.
CS Chemistry Department, Faculty of Sciences, El-Minia University, El-Minia, Egypt
SO Zeitschrift fuer Naturforschung, B: Chemical Sciences (2008), 63(8), 998-1004
CODEN: ZNBSEN; ISSN: 0932-0776
PB Verlag der Zeitschrift fuer Naturforschung
DT Journal
LA English
OS CASREACT 150:373771
AB Substituted carbohydrazides RCONHNH2 (I, R = Ph, 2-thienyl, 2-furyl, 2-pyridyl, 2-indolyl) reacted with ethenetetracarbonitrile in DMF with formation of diacylhydrazines RCONHNHCOR and 5-amino-1-substituted pyrazole-3,3,4-tricarbonitriles. On the other hand, I reacted with di-Et (E)-2,3-dicyanobutenedioate to give oxadiazinone and pyrazolone derivs.
IT 188837-57-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(reactions of substituted carbohydrazides with electron-poor olefins)
RN 188837-57-2 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-(1H-indol-2-ylcarbonyl)hydrazide (CA INDEX NAME)



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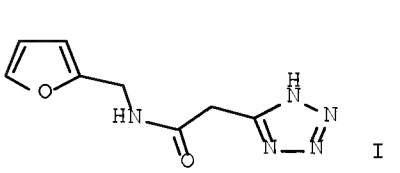
RE.CNT 45 THERE ARE 45 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 11 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2008:560704 CAPLUS Full-text
DN 150:214208
TI Microwave assisted synthesis of indole and furan derivatives possessing good anti-inflammatory and analgesic activity

AU Sondhi, Sham M.; Jain, Shubhi; Rani, Reshma; Kumar, Ashok
CS Department of Chemistry, Indian Institute of Technology Roorkee, Roorkee, 247667, India
SO Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry (2007), 46B(11), 1848-1854
CODEN: IJSBDB; ISSN: 0376-4699
PB National Institute of Science Communication and Information Resources
DT Journal
LA English
OS CASREACT 150:214208
GI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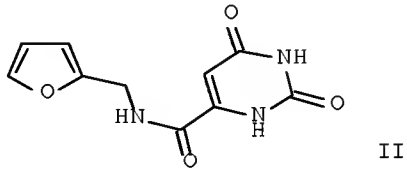
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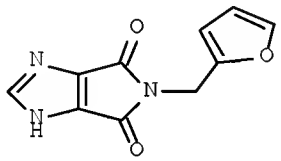
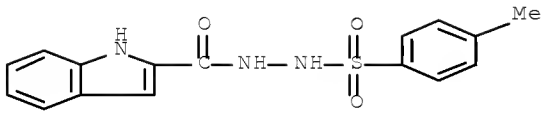

III

AB Indole-2-carboxylic acid on condensation with benzene sulfonyl hydrazide and p-toluene sulfonyl hydrazide gave the corresponding products. 1H-Tetrazole-5-acetic acid, hydantoin-5-acetic acid, orotic acid, 5-bromo nicotinic acid and indole 2-carboxylic acid have been condensed with furfuryl amine to give corresponding products, e.g., I and II, whereas condensation of succinic acid and adipic acid with furfuryl amine gave the corresponding compds. 3,5-Pyrazole dicarboxylic acid, 4,5-imidazole dicarboxylic acid and 3-carboxy-1,4-dimethyl pyrrole-2-acetic acid on condensation with furfuryl amine gave the corresponding compds., e.g., III. All the prepared compds. have been screened for their anti-inflammatory and analgesic activities. Compds. I and III exhibit good anti-inflammatory and I, II and III exhibited good analgesic activity.
IT 500316-12-1P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(microwave irradiation-assisted preparation, anti-inflammatory and analgesic
activities of indole and furan derivs. bearing various heterocyclic substituents)
RN 500316-12-1 CAPLUS
CN 1H-Indole-2-carboxylic acid, 2-[(4-methylphenyl)sulfonyl]hydrazide (CA INDEX NAME)



OSC.G 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)
RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 12 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2008:508616 CAPLUS Full-text
DN 148:495789
TI Preparation of indole compounds as glucokinase activators for treating diabetes, obesity and the like
IN Yasuma, Tsuneo; Ujikawa, Osamu; Itoh, Masahiro; Aoki, Kazuko
PA Takeda Pharmaceutical Co., Ltd., Japan
SO U.S. Pat. Appl. Publ., 239 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 20080096877	A1	20080424	US 2007-907929	20071018
	US 7652133	B2	20100126		
	AU 2007310064	A1	20080502	AU 2007-310064	20071018
	AU 2007310064	A2	20090604		
	CA 2666973	A1	20080502	CA 2007-2666973	20071018
	WO 2008050821	A1	20080502	WO 2007-JP70772	20071018
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	EP 2074119	A1	20090701	EP 2007-830506	20071018
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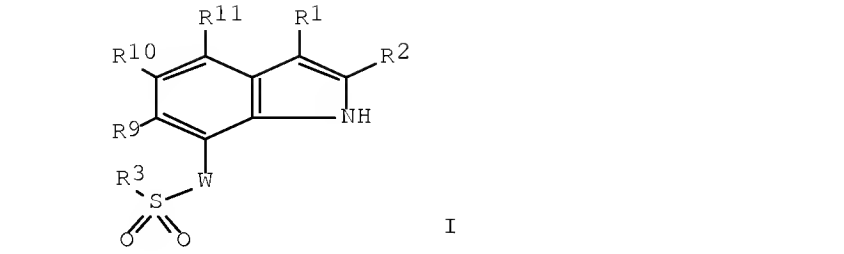
	JP 2010506825	T	20100304	JP 2009-515658	20071018
	US 20090286975	A1	20091119	US 2009-382623	20090319
	US 7718798	B2	20100518		
	MX 2009003972	A	20090427	MX 2009-3972	20090415
	IN 2009KN01819	A	20090612	IN 2009-KN1819	20090515
	KR 2009068292	A	20090625	KR 2009-710151	20090518
	NO 2009001948	A	20090713	NO 2009-1948	20090519
	CN 101573357	A	20091104	CN 2007-80047066	20090619
PRAI	JP 2006-285551	A	20061019		
	US 2007-907929	A3	20071018		
	WO 2007-JP70772	W	20071018		

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OS MARPAT 148:495789

GI



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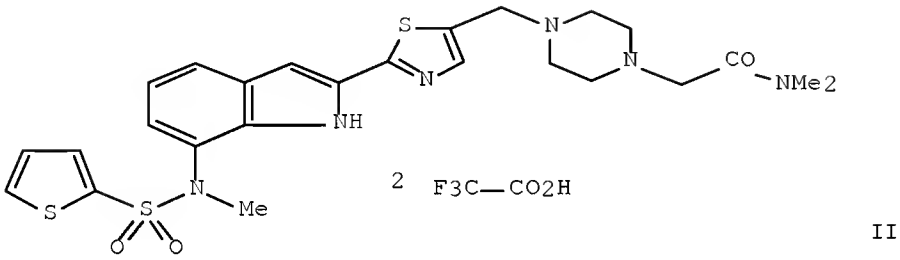


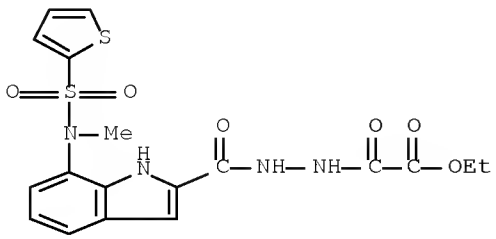
II

AB The purpose of the present invention is to provide a glucokinase activator useful as a pharmaceutical agent such as an agent for the prophylaxis or treatment of diabetes, obesity and the like. The present invention provides a glucokinase activator containing a compound represented by the formula I (wherein R1 is H or halo; R2 is a substituted thiazole ring, etc.; R3 is (un)substituted heterocyclic or C6-14 aryl group; R9, R10 and R11 are independently H, halo, (un)substituted C1-6 alkyl, etc.; W is O or NR8 wherein R8 is H, (un)substituted C1-6 alkyl or C3-10 cycloalkyl), or a salt thereof or a prodrug thereof. Synthetic methods for preparing I are exemplified. Example compound II, prepared from N-[2-[5-(chloromethyl)-1,3-thiazol-2-yl]-1H-indol-7-yl]-N-methylthiophene- 2-sulfonamide and N,N-dimethyl-2-(piperazin-1-yl)acetamide, had an EC50 of 0.21 μM in assay to determine GK activator activity.

IT 913284-26-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of indole compds. as glucokinase activators for treating diabetes, obesity and the like)

RN 913284-26-1 CAPLUS

CN Ethanedioic acid, 1-ethyl ester, 2-[2-[[7-[methyl(2-thienylsulfonyl)amino]-1H-indol-2-yl]carbonyl]hydrazide] (CA INDEX NAME)



RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 13 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2007:1396515 CAPLUS Full-text
DN 148:55086
TI Preparation of pyrrolopyrimidine compounds as protein kinase inhibitors
IN Brain, Christopher Thomas; Thoma, Gebhard; Sung, Moo Je
PA Novartis A.-G., Switz.; Novartis Pharma G.m.b.H.; Astex Therapeutics Ltd
SO PCT Int. Appl., 213 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2007140222	A2	20071206	WO 2007-US69595	20070524
	WO 2007140222	A3	20080807		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
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	CA 2652044	A1	20071206	CA 2007-2652044	20070524
	EP 2029145	A2	20090304	EP 2007-811927	20070524
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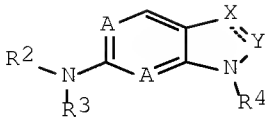
	JP 2009538341	T	20091105	JP 2009-512291	20070524
	ZA 2008009382	A	20100127	ZA 2008-9382	20081103
	IN 2008DN09406	A	20090327	IN 2008-DN9406	20081110
	MX 2008015076	A	20090305	MX 2008-15076	20081126
	CN 101594871	A	20091202	CN 2007-80019357	20081126
	KR 2009014219	A	20090206	KR 2008-731411	20081224
	US 20090318441	A1	20091224	US 2009-302223	20090824
PRAI	US 2006-808605P	P	20060526		
	WO 2007-US69595	W	20070524		

OS CASREACT 148:55086; MARPAT 148:55086
GI



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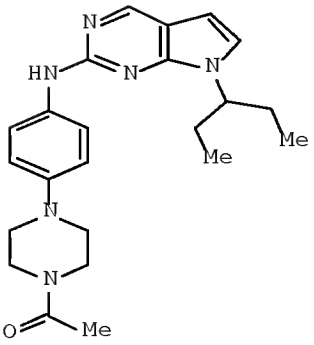


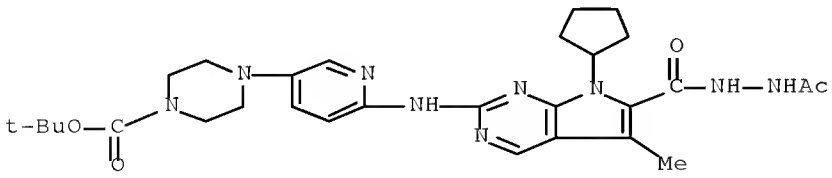
II

AB The present application describes organic compds. that are useful for the treatment, prevention and/or amelioration of diseases, particularly pyrrolopyrimidine compds. I [A = N or CR5 (wherein R5 = H or alkyl); R2, R3 = H, OH, alkyl, etc.; R4 = H, alkyl, cycloalkyl, etc.; when the bond between X and Y is a single bond, X = CR6R7, NR8, NR8 or C(O), and Y = CR9C10 or C(O); when the bond between X and Y is a double bond, X = N or CR11, and Y = CR12; R6, R7 = aryl, heteroaryl, alkyl, etc.; R8 = H, alkyl, cycloalkyl; R9, R10 = H, alkyl, cycloalkyl; R11, R12 = halo, H, alkyl, etc.] which inhibit protein kinases. The organic compds. are useful in treating proliferative disease. Over 300 compds. I were prepared For example, Pd-catalyzed coupling of 1-[4-(4-aminophenyl)piperazin-1- yl]ethanone with 2-chloro-7-(1-ethylpropyl)-7H-pyrrolo[2,3-d]pyrimidine afforded II which showed IC50 of <10 μM against CDK2/cyclin-A.

IT 959798-96-0P
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of pyrrolopyrimidines as protein kinase inhibitors useful in treatment and prevention of diseases as well as in combination therapy)

RN 959798-96-0 CAPLUS

CN 7H-Pyrrolo[2,3-d]pyrimidine-6-carboxylic acid, 7-cyclopentyl-2-[[5-[4-[(1,1-dimethylethoxy)carbonyl]-1-piperazinyl]-2-pyridinyl]amino]-5-methyl-, 2-acetylhydrazide (CA INDEX NAME)



OSC.G 8 THERE ARE 8 CAPLUS RECORDS THAT CITE THIS RECORD (8 CITINGS)

L6 ANSWER 14 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN

AN 2007:1393179 CAPLUS Full-text

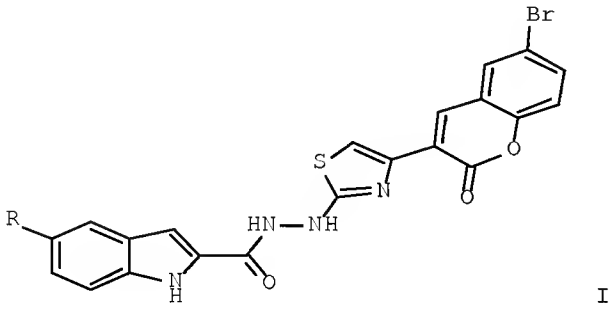
DN 149:556493

TI Synthesis of some new 5-fluoro/chloro/bromo-N'-(4-aryl-1, 3-thiazol-2-yl)-1H-indole-2-carbohydrazide derivatives as possible antifungal and antibacterial agents

AU Ashalatha, B. V.; Narayana, B.; Raj, K. K. Vijaya; Kumari, N. Suchetha

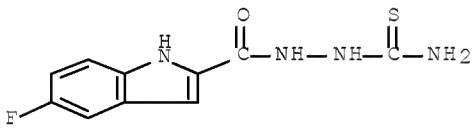
CS Department of Post-Graduate Studies and Research in Chemistry, Mangalore

University, Mangalagangothri, 574 199, India
SO Journal of Pharmacology and Toxicology (2006), 1(6), 552-558
CODEN: JPTOB4; ISSN: 1816-496X
PB Academic Journals
DT Journal
LA English
OS CASREACT 149:556493
GI



I

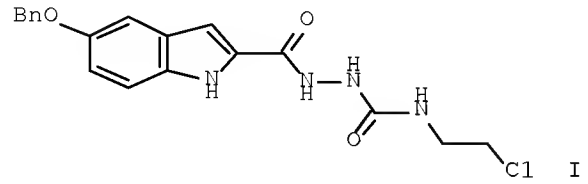
AB A series of 5-fluoro/chloro/bromo-N'-(4-aryl-1,3-thiazol-2-yl)-1H-indole-2-carbohydrazide derivs., e.g., I (R = F, Br, Cl), was prepared by treating corresponding 5-fluoro/chloro/bromo thiosemicarbazides with aromatic acyl bromides. The newly synthesized compds. were characterized by anal. and spectral data. All the compds. were screened for antifungal and antibacterial activities. Most of the compds. exhibited promising antimicrobial activity.
IT 1082056-80-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation, antifungal and antibacterial activities of arylthiazolyl(indole)carbohydrazide derivs.)
RN 1082056-80-1 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-fluoro-, 2-(aminothioxomethyl)hydrazide (CA INDEX NAME)



OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)
RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 15 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2007:1188032 CAPLUS Full-text
DN 148:54830
TI Design, synthesis and cytotoxic activity of novel 1-aroyl-4-(2-chloroethyl)semicarbazides
AU El-Sadek, M. E.; Aboukull, M. E.; El-Sabbagh, O. I.; Shallal, H. M.
CS Department of Medicinal Chemistry, Faculty of Pharmacy, Zagazig University, Zagazig, Egypt

SO Pharmaceutical Chemistry Journal (2007), 41(4), 188-192
CODEN: PCJOAU; ISSN: 0091-150X
PB Springer
DT Journal
LA English
OS CASREACT 148:54830
GI



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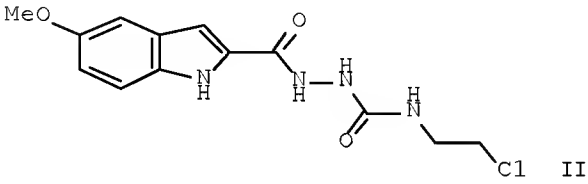


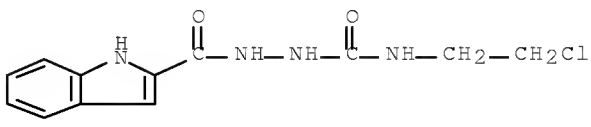
II

AB A series of aroyl derivs. of 4-(2-chloroethyl)semicarbazide were designed and synthesized to explore their antiproliferative activity against human brain carcinoma (U251) and human liver carcinoma (Hepg2) cell lines. The synthesized compds. were characterized by elemental analyses and spectroscopic data. It was established that compds. in which semicarbazide fragments are substituted with a (2-indolyl)carbonyl moiety showed a higher cytotoxic activity than the corresponding benzoyl derivs. 1-[(5-Benzyloxy-1H-indol-2-yl)carbonyl]-4-(2-chloroethyl)semicarbazide (I) showed the highest cytotoxic activity against Hepg2 (IC50= 21 μg/mL), while 4-(2-chloroethyl)-1-[(5-methoxy-1H-indol-2-yl)carbonyl]semicarbazide (II) was the most active compound against U251 (IC50 = 8 μg/mL).

IT 960157-39-5P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation, antiproliferative activity, and SAR of aroyl(chloroethyl)semicarbazides)

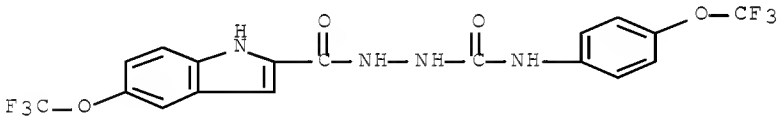
RN 960157-39-5 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-[[(2-chloroethyl)amino]carbonyl]hydrazide (CA INDEX NAME)



RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

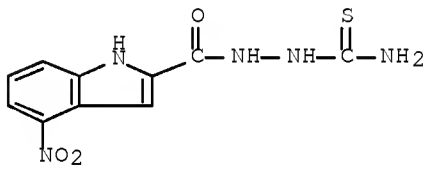
L6 ANSWER 16 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2006:1258655 CAPLUS Full-text
DN 146:350573
TI Application of linear discriminant analysis in the virtual screening of antichangasic drugs through trypanothione reductase inhibition
AU Prieto, Julian J.; Talevi, Alan; Bruno-Blanch, Luis E.
CS Medicinal Chemistry, Department of Biological Sciences, Exact Sciences College, La Plata National University (UNLP), Buenos Aires, B1900AVV, Argent.
SO Molecular Diversity (2006), 10(3), 361-375
CODEN: MODIF4; ISSN: 1381-1991
PB Springer
DT Journal
LA English
AB We have performed virtual screening to identify new lead trypanothione reductase inhibitor (TRI) compds. enzyme present in Tripanozoma cruzi, the agent responsible of Chagas disease. From a training set of 58 compds., linear discriminant anal. (LDA) was performed using 2D and 3D descriptors as discriminating variables in order to find out which function of descriptors characterizes the active TRI. The values of the statistical parameters F - Snedecor and Wilk's λ for the discriminant function (DF) showed good statistical significance, as long as the rate of success in the prediction for both the training and the test set: 91.38% and 88.63%, in that order. Internal validation through the Leave - Group - Out methodol. was performed with good results, assuring the stability of the DF. Afterwards, the DF was applied in virtual screening of 422,367 compds. The optimum range of values of octanol - water partition coefficient for a compound to develop trypanothione reductase inhibition was applied as a second filtering criteria. 739 Structurally heterogeneous drugs of the virtual library were selected as promissory TRI.
IT 883007-63-4
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(application of linear discriminant anal. in virtual screening of antichangasic drugs through trypanothione reductase inhibition)
RN 883007-63-4 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-(trifluoromethoxy)-, 2-[[[4-(trifluoromethoxy)phenyl]amino]carbonyl]hydrazide (CA INDEX NAME)



OSC.G 10 THERE ARE 10 CAPLUS RECORDS THAT CITE THIS RECORD (10 CITINGS)
RE.CNT 57 THERE ARE 57 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 17 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2006:1198312 CAPLUS Full-text
DN 147:343985
TI Synthesis and biological activity of novel 4-/5-/6-/7-nitro-N'-(4-aryl-1,3-thiazol-2-yl)-1H-indole-2-carbohydrazide derivatives
AU Ashalatha, B. V.; Narayana, B.; Kumari, N. Suchetha
CS Department of Post-Graduate Studies and Research in Chemistry, Mangalore

University, Mangalagangotri, India
SO Phosphorus, Sulfur and Silicon and the Related Elements (2006), 181(12), 2785-2795
CODEN: PSSLEC; ISSN: 1042-6507
PB Taylor & Francis, Inc.
DT Journal
LA English
OS CASREACT 147:343985
AB New 4-/5-/6-/7-nitro-N'-(4-aryl-1,3-thiazol-2-yl)-1H-indole-2- carbohydrazides were prepared by treating resp. nitro-indole thiosemicarbazide with aromatic acylbromides. The newly synthesized compds. were characterized by anal. and spectral data. The compds. were also screened for antifungal and antibacterial activity. Some of the compds. exhibited promising antimicrobial activity.
IT 948914-01-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation, antifungal and antibacterial activities of nitro-(aryl-thiazolyl)-indole hydrazide derivs. starting from nitro-indole-hydrazides and potassium thiocyanate via cyclization of thiosemicarbazides with aromatic acyl-bromides)
RN 948914-01-0 CAPLUS
CN 1H-Indole-2-carboxylic acid, 4-nitro-, 2-(aminothioxomethyl)hydrazide (CA INDEX NAME)



OSC.G 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)
RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 18 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2006:1122595 CAPLUS Full-text
DN 145:454930
TI Preparation of indoles and related compounds as glucokinase activators
IN Yasuma, Tsuneo; Ujikawa, Osamu; Iwata, Hidehisa
PA Takeda Pharmaceutical Company Limited, Japan
SO PCT Int. Appl., 379pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2006112549	A1	20061026	WO 2006-JP308790	20060420

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC,

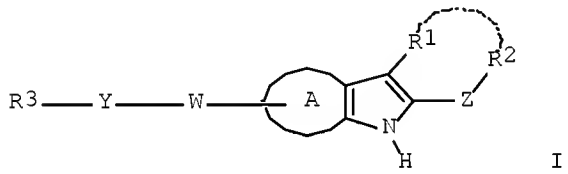
VN, YU, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

CA 2605778	A1	20061026	CA 2006-2605778	20060420
EP 1873144	A1	20080102	EP 2006-732396	20060420
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR				
US 20090247746	A1	20091001	US 2007-918884	20071107
PRAI JP 2005-123018	A	20050420		
JP 2005-359656	A	20051213		
WO 2006-JP308790	W	20060420		

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OS MARPAT 145:454930

GI



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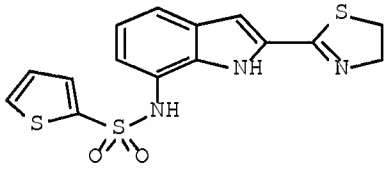


II

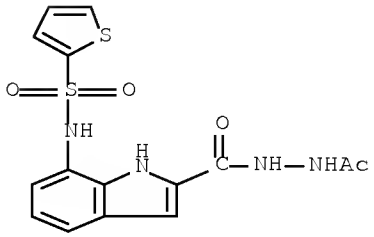
AB Title compds. I [ring A = (un)substituted 6-membered ring; W = O, S(O)m, CR5R6, etc.; m = 0-2; R5, R6 = H, alkyl; Y = bond, CO, S(O)p, etc.; p = 0-2; R3 = (un)substituted hydrocarbon, (un)substituted hydroxy; (un)substituted mercapto, etc.; Z = bond, CO, O, etc.; R1 = H, halo, (un)substituted hydrocarbon, etc.; R2 = H, (un)substituted hydrocarbon, (un)substituted hydroxy, etc.; R1 and R2 may combine to form (un)substituted cycle.], salts or prodrugs thereof were prepared For example, treatment of 7-[(2-thienylsulfonyl)amino]-1H-indole-2- carboxamide, e.g., prepared from 7-[(2-thienylsulfonyl)amino]-1H-indole-2- carboxylic acid Et ester in 2 steps, with trifluoroacetic anhydride, followed by reaction with 2-aminoethanethiol afforded compound II. In glucokinase (GK) activation assays, the EC50 value of compound II was 0.11 μM. Compds. I are claimed useful for the treatment of diabetes and obesity.

IT 913284-17-0P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of indoles and related compds. as glucokinase activators for treatment of diabetes and obesity)

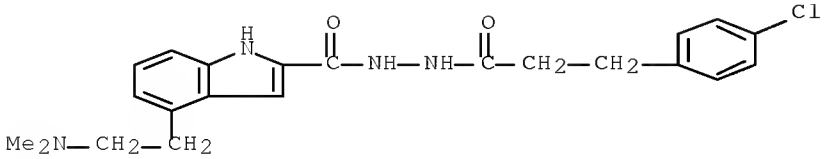
RN 913284-17-0 CAPLUS

CN 1H-Indole-2-carboxylic acid, 7-[(2-thienylsulfonyl)amino]-, 2-acetylhydrazide (CA INDEX NAME)



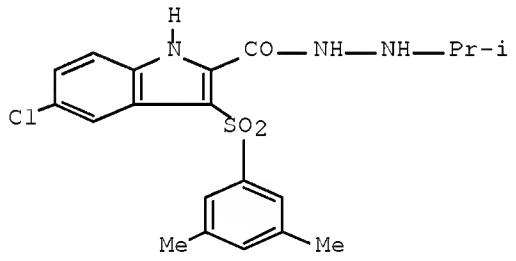
OSC.G 8 THERE ARE 8 CAPLUS RECORDS THAT CITE THIS RECORD (9 CITINGS)
RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 19 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2006:499153 CAPLUS Full-text
DN 145:167167
TI Design, synthesis, and biological evaluation of indole derivatives as novel nociceptin/orphanin FQ (N/OFQ) receptor antagonists
AU Sugimoto, Yuichi; Shimizu, Atsushi; Kato, Tetsuya; Satoh, Atsushi; Ozaki, Satoshi; Ohta, Hisashi; Okamoto, Osamu
CS Banyu Tsukuba Research Institute, Ltd, Banyu Pharmaceutical Co., Ltd., Tsukuba, Ibaraki, 300-2611, Japan
SO Bioorganic & Medicinal Chemistry Letters (2006), 16(13), 3569-3573
CODEN: BMCLE8; ISSN: 0960-894X
PB Elsevier B.V.
DT Journal
LA English
OS CASREACT 145:167167
AB A novel series of 2-(1,2,4-oxadiazol-5-yl)-1H-indole derivs. as nociceptin/orphanin FQ (N/OFQ) receptor antagonists was discovered. Systematic modification of our original lead by changing the pendant functional groups, linker, heterocyclic core, and basic side chain revealed the structure-activity requirements for this novel template and resulted in the identification of more potent analog with improved potency as compared to the parent compound
IT 900812-90-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of (oxadiazolyl)indole derivs. and their analogs and study of their activity as ORL1 (opioid receptor-like-1, nociceptin/orphanin FQ) receptor antagonists)
RN 900812-90-0 CAPLUS
CN 1H-Indole-2-carboxylic acid, 4-[2-(dimethylamino)ethyl]-, 2-[3-(4-chlorophenyl)-1-oxopropyl]hydrazide (CA INDEX NAME)



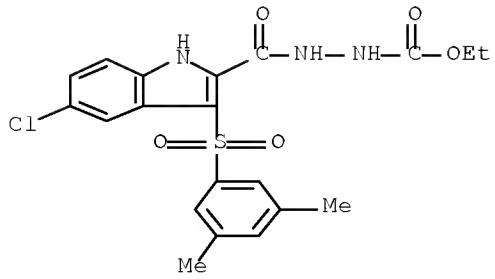
OSC.G 5 THERE ARE 5 CAPLUS RECORDS THAT CITE THIS RECORD (5 CITINGS)
RE.CNT 42 THERE ARE 42 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 20 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2006:413170 CAPLUS Full-text
DN 145:95759
TI Design, Molecular Modeling, Synthesis, and Anti-HIV-1 Activity of New Indolyl Aryl Sulfones. Novel Derivatives of the Indole-2-carboxamide
AU Ragno, Rino; Coluccia, Antonio; La Regina, Giuseppe; De Martino, Gabriella; Piscitelli, Francesco; Lavecchia, Antonio; Novellino, Ettore; Bergamini, Alberto; Ciaprini, Chiara; Sinistro, Anna; Maga, Giovanni; Crespan, Emanuele; Artico, Marino; Silvestri, Romano
CS Dipartimento di Studi Farmaceutici, Istituto Pasteur-Fondazione Cenci Bolognetti, Universita di Roma La Sapienza, Rome, I-00185, Italy
SO Journal of Medicinal Chemistry (2006), 49(11), 3172-3184
CODEN: JMCMAR; ISSN: 0022-2623
PB American Chemical Society
DT Journal
LA English
OS CASREACT 145:95759
GI



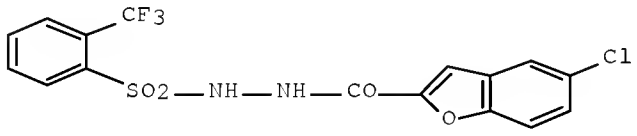
I

AB Mol. modeling studies and an updated highly predictive 3-D QSAR model led to the discovery of exceptionally potent indolyl aryl sulfones (IASs) characterized by the presence of either a pyrrolidin-2-one nucleus at the indole-2-carboxamide or some substituents at the indole-2-carbohydrazide. Two of the compds. were found active in the sub-nanomolar range of concentration in both MT-4 and C8166 cell-based anti-HIV assays. These compds., and in particular compound I, also showed excellent inhibitory activity against both HIV-112 and HIV-AB1 primary isolates in lymphocytes and against HIV WT in macrophages.
IT 895152-93-9P
RL: PAC (Pharmacological activity); PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(indolyl aryl sulfones with anti-HIV-1 activity)
RN 895152-93-9 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-chloro-3-[(3,5-dimethylphenyl)sulfonyl]-, 2-(ethoxycarbonyl)hydrazide (CA INDEX NAME)



OSC.G 18 THERE ARE 18 CAPLUS RECORDS THAT CITE THIS RECORD (18 CITINGS)
RE.CNT 42 THERE ARE 42 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

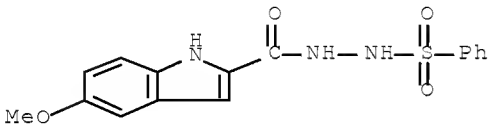
L6 ANSWER 21 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2006:274280 CAPLUS Full-text
DN 144:460311
TI The design and synthesis of human branched-chain amino acid aminotransferase inhibitors for treatment of neurodegenerative diseases
AU Hu, Lain-Yen; Boxer, Peter A.; Kesten, Suzanne R.; Lei, Huangshu J.; Wustrow, David J.; Moreland, David W.; Zhang, Liming; Ahn, Kay; Ryder, Todd R.; Liu, Xiaohong; Rubin, John R.; Fahnoe, Kelly; Carroll, Richard T.; Dutta, Satavisha; Fahnoe, Douglass C.; Probert, Albert W.; Roof, Robin L.; Rafferty, Michael F.; Kostlan, Catherine R.; Scholten, Jeffrey D.; Hood, Molly; Ren, Xiao-Dan; Schielke, Gerald P.; Su, Ti-Zhi; Taylor, Charles P.; Mistry, Anil; McConnell, Patrick; Hasemann, Charles; Ohren, Jeffrey
CS Pfizer Global Research and Development, Ann Arbor, MI, USA
SO Bioorganic & Medicinal Chemistry Letters (2006), 16(9), 2337-2340
CODEN: BMCLE8; ISSN: 0960-894X
PB Elsevier B.V.
DT Journal
LA English
OS CASREACT 144:460311
GI



I

AB The inhibition of the cytosolic isoenzyme BCAT that is expressed specifically in neuronal tissue is likely to be useful for the treatment of neurodegenerative and other neurol. disorders where glutamatergic mechanisms are implicated. Compound I exhibited an IC50 of 0.8 μM in the hBCATc assays; it is an active and selective inhibitor. Inhibitor I also blocked calcium influx into neuronal cells following inhibition of glutamate uptake, and demonstrated neuroprotective efficacy in vivo. SAR, pharmacol., and the crystal structure of hBCATc with inhibitor I are described.

IT 22930-51-4P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(design and synthesis of human branched-chain amino acid aminotransferase inhibitors for treatment of neurodegenerative diseases)
RN 22930-51-4 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methoxy-, 2-(phenylsulfonyl)hydrazide (CA INDEX NAME)



OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)
RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 22 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2005:1193471 CAPLUS Full-text
DN 143:460025
TI Antitumor indole and azaindole derivatives useful for treating resistance to antitumor agents and their preparation
IN Farina, Carlo; Gagliardi, Stefania; Misiano, Paola; Celestini, Paolo; Zunino, Franco
PA Nikem Research S.r.l., Italy; Ori Istituto Nazionale per lo Studio e la Cura dei Tumori
SO PCT Int. Appl., 95 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2005105213	A2	20051110	WO 2005-EP51908	20050427
WO 2005105213	A3	20060622		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
IT 2004MI0874	A1	20040730	IT 2004-MI874	20040430
IT 1356189	B1	20090226		
AU 2005237788	A1	20051110	AU 2005-237788	20050427
CA 2564249	A1	20051110	CA 2005-2564249	20050427
EP 1750687	A2	20070214	EP 2005-743013	20050427
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR				

	JP 2007535520	T	20071206	JP 2007-510035	20050427
	US 20070248672	A1	20071025	US 2006-579237	20061030
PRAI	IT 2004-MI874	A	20040430		
	WO 2005-EP51908	W	20050427		

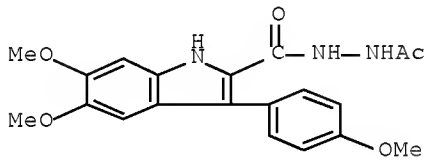
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OS CASREACT 143:460025; MARPAT 143:460025
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The invention is related to the use of aza/indoles of formula (I) [R1 = H, alkyl, alkoxycarbonylalkyl, etc.; R2 = alk(en)yl, aryl, (un)substituted heterocyclyl, etc.; R3 - R6 = independently H, alkyl, alkoxy, OH, halo, CF3, OCF3; X, Y = independently C, N; A = Ph, 5- to 6-membered heterocyclic ring containing up to 2 heteroatoms selected from N, O, and S] in the treatment of drug resistant tumors. I can be used in monotherapy, as antitumor agents, or in co-therapy, as synergistic enhancers of the action of known antitumor drugs. The invention is also related to the preparation of compds. I and their pharmaceutical compns. For example, dehydration of 5,6-Dimethoxy-3-(4-methoxyphenyl)-1H-indole-2-carboxamide gave II in 53% yield. III displayed an IC50 of 0.500 and 0.644 μM for the inhibition of human and bovine V-ATPase activity in vitro. Selected I demonstrated synergistic effects in combination with topotecan both in HT29 and HT29/Mit cells.

IT 869117-48-6P, N'-Acetyl-5,6-dimethoxy-3-(4-methoxyphenyl)-1H-indole-2-carboxylic acid hydrazide
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate; preparation of antitumor indoles and azaindoles useful for treating resistance to antitumor agents and combination with other agents or radiotherapy)

RN 869117-48-6 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5,6-dimethoxy-3-(4-methoxyphenyl)-, 2-acetylhydrazide (CA INDEX NAME)



OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)
RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 23 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2005:1004744 CAPLUS Full-text
DN 143:306292
TI Preparation of pyrrolopyridine-2-carboxylic acid hydrazides as glycogen phosphorylase inhibitors
IN Bradley, Stuart Edward; Jeevaratnam, Revathy Perpetua; Krulle, Thomas Martin; Procter, Martin James; Rowley, Robert John; Thomas, Gerard Hugh; Valdes, Ana

PA Prosidion Limited, UK
SO PCT Int. Appl., 43 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2005085245	A1	20050915	WO 2005-GB885	20050308
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1725555	A1	20061129	EP 2005-717953	20050308
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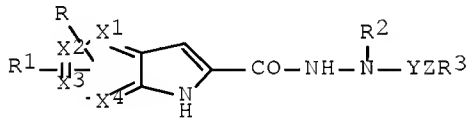
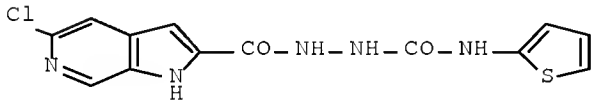
JP 2007527904	T	20071004	JP 2007-502390	20050308
US 20080269277	A1	20081030	US 2007-591895	20071105
PRAI US 2004-551254P	P	20040308		
WO 2005-GB885	W	20050308		

OS CASREACT 143:306292; MARPAT 143:306292
GI



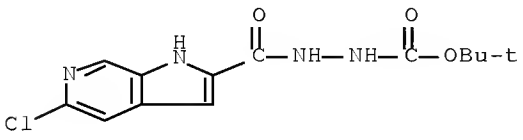
I



II

AB Title compds. of formula I [one of X1–X4 is N and the others are C; Y = CO, SO2, C(NH); Z = alkylene, O, alkyleneoxy, (substituted) NH, etc.; R, R1 = H, halo, OH, CN, alkyl, alkoxy, CH2F, ethenyl, ethynyl, etc.; R2 = H, alkyl, alkoxycarbonyl, acyl, alkoxy, arylalkyl, etc.; R3 = H, alkoxycarbonyl, alkoxy, arylalkylthio, arylalkyl, etc.] are prepared as inhibitors of glycogen phosphorylase and are useful in the prophylactic or therapeutic treatment of diabetes, hyperglycemia, hypercholesterolemia, hyperinsulinemia, hyperlipidemia, hypertension, atherosclerosis or tissue ischemia e.g. myocardial ischemia, or as cardioprotectants or inhibitors of abnormal cell growth. Thus, II was prepared from 5-chloro-1H-pyrrolo[2,3-c]pyridine-2-carboxylic acid hydrazide TFA salt (preparation given) and 2-thienyl isocyanate. The prepared compds. had IC50 values better than 100μM against glycogen phosphorylase.

IT 864547-64-8P
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of pyrrolopyridinecarboxylic acid hydrazides as glycogen phosphorylase inhibitors)
RN 864547-64-8 CAPLUS
CN 1H-Pyrrolo[2,3-c]pyridine-2-carboxylic acid, 5-chloro-, 2-[(1,1-dimethylethoxy)carbonyl]hydrazide (CA INDEX NAME)



OSC.G 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)
RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 24 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2005:1004705 CAPLUS Full-text
DN 143:306169
TI Indole-2-carboxylic acid hydrazides
IN Bradley, Stuart Edward; Jeevaratnam, Revathy Perpetua; Krulle, Thomas Martin; Procter, Martin James; Rowley, Robert John; Thomas, Gerard Hugh; Valdes, Ana
PA Prosidion Limited, UK
SO PCT Int. Appl., 27 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005085194	A2	20050915	WO 2005-GB872	20050308
	WO 2005085194	A3	20060105		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	EP 1768957	A2	20070404	EP 2005-717940	20050308
	R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, LV, MK, YU				
	JP 2007527903	T	20071004	JP 2007-502386	20050308
	US 20080188472	A1	20080807	US 2007-592011	20071022
PRAI	US 2004-551255P	P	20040308		
	WO 2005-GB872	W	20050308		

OS CASREACT 143:306169; MARPAT 143:306169

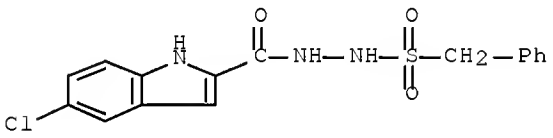
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Compds. of formula I [wherein Y = -C(O)-. -S(O)2-, or -C(NH)-; Z = C1-4alkylene, O, -(CH2)mO-, -O(CH2)m, etc. (m = 1-4); R1, R2 = independently halogen, hydroxym cyano, etc.; R3 = C0-4alkyl, C1-4alkoxyC1-3alkyl-, hydroxyC1-4alkyl, etc.; R4 = H, -COOC0-4alkyl, C1-4alkyl, etc.] or pharmaceutically acceptable salts thereof, were prepared as inhibitors of glycogen phosphorylase. Thus, a solution of 5-chloro-1H-indole-2-carboxylic acid hydrazide (II) in 1,4-dioxane was treated with phenylmethanesulfonyl chloride and DIPEA for 16H at room temperature to provide 5-chloro-1H-indole-2-carboxylic acid N'-(phenylmethanesulfonyl)hydrazide (III). Compds. of formula I are useful in the prophylactic or therapeutic treatment of diabetes, hyperglycemia, hypercholesterolemia, hyperinsulinemia, hyperlipidemia, hypertension, atherosclerosis or tissue ischemia, e.g. myocardial ischemia, or as cardioprotectants or inhibitors of abnormal cell growth.

IT 864658-78-6P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of indole-2-carboxylic acid hydrazides as inhibitors of glycogen phosphorylase)

RN 864658-78-6 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-[(phenylmethyl)sulfonyl]hydrazide (CA INDEX NAME)



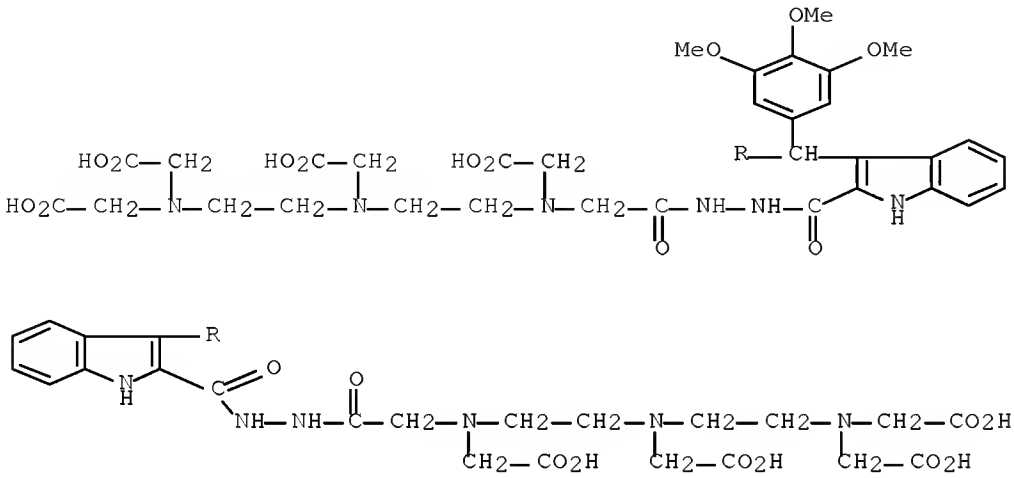
OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)
RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 25 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2005:500080 CAPLUS Full-text
DN 144:166502
TI Contrast agents for magnetic resonance imaging (MRI)
AU Kimpe, Kristof; Parac-Vogt, Tatjana N.; Binnemans, Koen
CS Departement Chemie, Laboratorium voor Cooerdinatiechemie, Leuven, 3001, Belg.
SO Chemie Magazine (Heverlee, Belgium) (2004), (6), 7-13
CODEN: CHMAF2
PB Koninklijke Vlaamse Chemische Vereniging
DT Journal; General Review
LA Dutch
AB A review of the development of new contrast agents, incorporation of amphiphilic DTPA derivs. into micelles, self-assembling heteropolymetallic chelates, and studies of the compound KA080402.
IT 858352-41-7D, lanthanide complexes
RL: DGN (Diagnostic use); BIOL (Biological study); USES (Uses)

(contrast agents for magnetic resonance imaging (MRI))

RN 858352-41-7 CAPLUS

CN 1H-Indole-2-carboxylic acid, 3,3'-[(3,4,5-trimethoxyphenyl)methylene]bis-, 2,2'-bis[2-[[[2-[[2-[bis(carboxymethyl)amino]ethyl](carboxymethyl)amino]ethyl](carboxymethyl)amino]acetyl]hydrazide] (9CI) (CA INDEX NAME)



L6 ANSWER 26 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN

AN 2005:452839 CAPLUS Full-text

DN 143:139048

TI Synthesis, characterization, and pharmacokinetic evaluation of a potential MRI contrast agent containing two paramagnetic centers with albumin binding affinity

AU Parac-Vogt, Tatjana N.; Kimpe, Kristof; Laurent, Sophie; Vander Elst, Luce; Burtea, Carmen; Chen, Feng; Muller, Robert N.; Ni, Yicheng; Verbruggen, Alfons; Binnemans, Koen

CS Department of Chemistry, Katholieke Universiteit Leuven, Louvain, 3001, Belg.

SO Chemistry--A European Journal (2005), 11(10), 3077-3086
CODEN: CEUJED; ISSN: 0947-6539

PB Wiley-VCH Verlag GmbH & Co. KGaA

DT Journal

LA English

OS CASREACT 143:139048

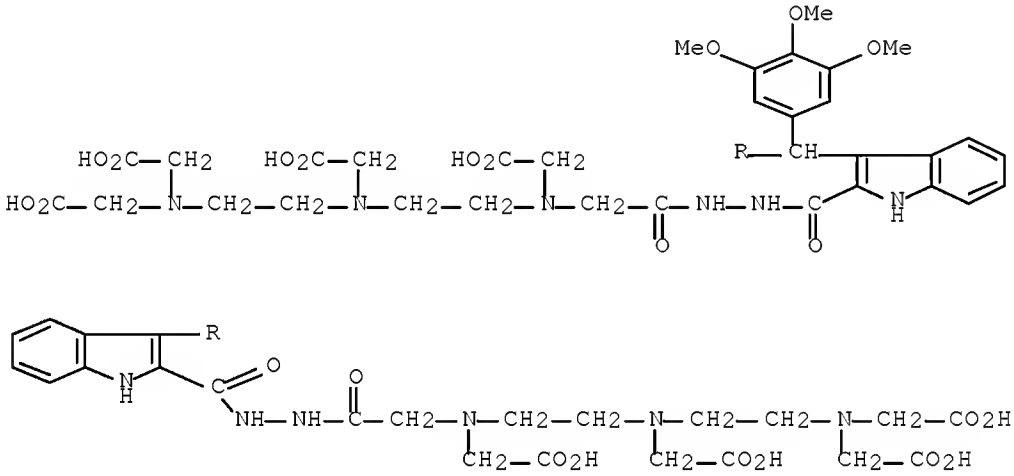
AB A dinuclear gadolinium(III) complex of an amphiphilic chelating ligand, containing two diethylenetriamine-N,N,N',N'',N''-pentaacetate (DTPA) moieties bridged by a bisindole derivative with three methoxy groups, has been synthesized and evaluated as a potential magnetic resonance imaging (MRI) contrast agent. Nuclear magnetic relaxation dispersion (NMRD) measurements indicated that at 20 MHz and 37°C the dinuclear gadolinium(III) complex has a much higher relaxivity than [Gd(DTPA)] (6.8 vs 3.9 s-1 mmol-1). The higher relaxivity of the dinuclear gadolinium(III) complex could be related to its reduced motion and larger rotational correlation time relative to [Gd(DTPA)]. In the presence of human serum albumin (HSA) the relaxivity value of the noncovalently bound dinuclear complex increased to 15.2 s-1 per mmol of Gd3+, due to its relatively strong interaction with this protein. The fitted value of the binding constant to HSA (Ka) was found to be 104 M-1. Because of its interaction with HSA, the dinuclear complex exhibited a longer elimination half-life from the plasma, and a better confinement to the vascular space compared to the com. available [Gd(DTPA)] contrast agent. Transmetalation of

the dinuclear gadolinium(III) complex by zinc(II) has been investigated. Biodistribution studies suggested that the complex was excreted by the renal pathway, and possibly by the hepatobiliary route. In vivo studies indicated that half of the normal dose of the gadolinium(III) complex enhanced the contrast in hepatic tissues around 40% more effectively than [Gd(DTPA)]. The dinuclear gadolinium(III) complex was tested as a potential necrosis avid contrast agent (NACA), but despite the binding to HSA, it did not exhibit necrosis avidity, implying that binding to albumin is not a key parameter for necrosis-targeting properties.

IT 858352-41-7DP, complex with Gadolinium
RL: BSU (Biological study, unclassified); PKT (Pharmacokinetics); PRP (Properties); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(synthesis and pharmacokinetic evaluation of a potential MRI contrast agent containing two paramagnetic centers with albumin binding affinity)

RN 858352-41-7 CAPLUS

CN 1H-Indole-2-carboxylic acid, 3,3'-[(3,4,5-trimethoxyphenyl)methylene]bis-, 2,2'-bis[2-[[[2-[[2-[bis(carboxymethyl)amino]ethyl](carboxymethyl)amino]ethyl](carboxymethyl)amino]acetyl]hydrazide] (9CI) (CA INDEX NAME)



OSC.G 16 THERE ARE 16 CAPLUS RECORDS THAT CITE THIS RECORD (16 CITINGS)
RE.CNT 52 THERE ARE 52 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 27 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2004:1089277 CAPLUS Full-text
DN 142:254762
TI Functional characterization of human neuropeptide Y receptor subtype five specific antagonists using a luciferase reporter gene assay
AU Beauverger, Philippe; Rodriguez, Marianne; Nicolas, Jean-Paul; Audinot, Valerie; Lamamy, Veronique; Dromaint, Sandra; Nagel, Nadine; Macia, Christelle; Leopold, Odile; Galizzi, Jean-Pierre; Caignard, Daniel-Henri; Aldana, Ignacio; Monge, Antonio; Chomarat, Pascale; Boutin, Jean A.
CS Division de Pharmacologie Moleculaire et Cellulaire, Institut de Recherches Servier, Croissy-sur-Seine, 78 290, Fr.
SO Cellular Signalling (2005), 17(4), 489-496
CODEN: CESIEY; ISSN: 0898-6568
PB Elsevier B.V.
DT Journal
LA English

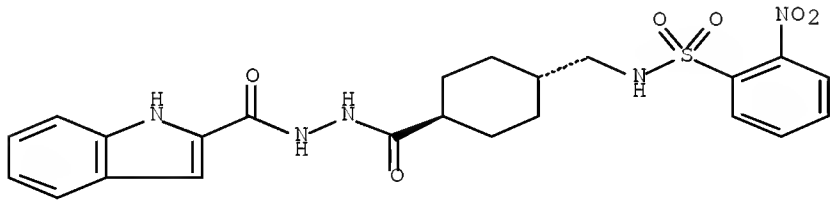
AB Neuropeptide Y (NPY) has several receptors; one of them, the neuropeptide Y5 receptor (NPY5) seems involved in feeding behavior in mammals. Although this particular receptor has been extensively studied in the literature, the difficulties encountered to obtain a stable cell line expressing this recombinant receptor have impaired the development of tools necessary to establish its mol. pharmacol. We thus established a method for the functional study of new ligands. It is based upon the cotransfection in human melatonin receptor 1 (MT1)-overexpressing HEK293 cells of three plasmids encoding melanocortin receptor (MC5), neuropeptide Y5 receptor (NPY5) and a cAMP response element-controlled luciferase. Once challenged with αMSH, the MC5 receptor activates the cAMP response, through the coupling protein subunit Gs. In contrast, NPY5 agonists, through the NPY5 receptor which is neg. coupled to the same pathway, counteract the αMSH-mediated effect on cAMP level. Using appropriate controls, this method can pinpoint compds. with antagonistic activity. Simple and straight forward, this system permits reproducible measurements of agonist or antagonist effects in the presence of neuropeptide Y, the natural agonist. This method has the advantage over already existing methods and beyond its apparent complexity, to enhance the cAMP concentration at a physiol.' level, by opposition to a forskolin-induced adenylate cyclase activation. Finally, to further validate this assay, we showed results from (1) a series of natural peptidic agonists that permitted the standardization and (2) a series of potent nonpeptidic antagonists (affinity >10-9 M) that form a new class of active NPY5 receptor antagonists.

IT 845781-17-1
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(characterization of specific antagonists to human NPY receptor subtype 5 (NPY5) using HEK293 cells co-transfected with NPY5, melanocortin receptor and cAMP response element-controlled luciferase reporter gene)

RN 845781-17-1 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-[[trans-4-[[[(2-nitrophenyl)sulfonyl]amino]methyl]cyclohexyl]carbonyl]hydrazide (CA INDEX NAME)

Relative stereochemistry.



OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)
RE.CNT 53 THERE ARE 53 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 28 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2004:756833 CAPLUS Full-text
DN 141:272575
TI Diacylhydrazine ligands for modulating expression of transgenes via chimeric ecdysone receptor complexes
IN Hormann, Robert Eugene; Potter, David W.; Chortyk, Orestes; Tice, Colin M.; Carlson, Glenn Richard; Meyer, Andrew; Opie, Thomas R.
PA Rheogene, Inc., USA
SO PCT Int. Appl., 231 pp.
CODEN: PIXXD2

DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004078924	A2	20040916	WO 2004-US5912	20040227
	WO 2004078924	A3	20050519		
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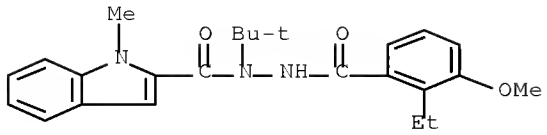
	US 7456315	B2	20081125	US 2004-787906	20040226
	US 20060020146	A1	20060126		
	AU 2004217510	A1	20040916	AU 2004-217510	20040227
	CA 2516993	A1	20040916	CA 2004-2516993	20040227
	EP 1601642	A2	20051207	EP 2004-715710	20040227
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	JP 2007524595	T	20070830	JP 2006-508884	20040227
PRAI	US 2003-455741P	P	20030228		
	US 2004-787906	A	20040226		
	WO 2004-US5912	A	20040227		

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OS MARPAT 141:272575
AB The present invention relates to non-steroidal diacylhydrazine ligands AC(:X)N(G)N(E)C(:X')B [A = (substituted)Ph; B = A, (substituted)-6-membered heterocycle, 5-benzimidazolyl, 1H-indazole-3-yl, 1H-indole-2-yl, etc.; E = (substituted)-C4-10-branched alkyl; G = H, CN; X,X' = O, S] for use in nuclear receptor-based inducible gene expression systems. A method to modulate exogenous gene expression is disclosed in which an ecdysone receptor complex comprising (1) a DNA binding domain, (2) a ligand binding domain, (3) a transactivation domain, (4) and a diacylhydrazine ligand is contacted with a DNA construct comprising the exogenous gene and a response wherein binding of the ecdysone receptor complex to the response element in the presence of the ligand results in activation or suppression of the gene. A method for synthesizing the diacylhydrazines is further disclosed. Thus, 2-Et-3-MeO-benzoic acid N'-t-Bu hydrazide was reacted NaH, then pyrazine-2-carboxylic acid pentafluorophenyl esters was added to prepare pyrazine-2-carboxylic acid N-t-Bu-N'-(2-Et-3-MeO-benzoyl)hydrazide. Many diacylhydrazines were synthesized and their water solubility and cell permeation coeffs. were determined These ligands were tested in mammalian cells expressing an ecdysone receptor complex and a reporter gene. The receptor complex contained a first protein containing domains from spruce budworm ecdysone receptor fused to a GAL4 DNA binding domain and a second protein containing domains from human RXRβ and Locusta USP fused to the VP16 transactivation domain. The reporter gene construct consisted of GAL4 response elements fused to a synthetic TATA minimal promoter upstream of a luciferase gene. Similar expts. were conducted in vivo (in mice).
IT 755012-93-2P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(diacylhydrazine ligands for modulating expression of transgenes via chimeric ecdysone receptor complexes)
RN 755012-93-2 CAPLUS
CN 1H-Indole-2-carboxylic acid, 1-methyl-, 1-(1,1-dimethylethyl)-2-(2-ethyl-3-methoxybenzoyl)hydrazide (CA INDEX

NAME)



OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)
RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 29 OF 29 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2003:356418 CAPLUS Full-text
DN 138:368761
TI Preparation of indole derivatives as inhibitors of human liver glycogen phosphorylase a
IN Nakamura, Takeshi; Takagi, Masaki; Ueda, Nobuhisa
PA Japan Tobacco Inc., Japan
SO PCT Int. Appl., 237 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003037864	A1	20030508	WO 2002-JP11234	20021029
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	CA 2465382	A1	20030508	CA 2002-2465382	20021029
	AU 2002344600	A1	20030512	AU 2002-344600	20021029
	JP 2003201279	A	20030718	JP 2002-315100	20021029
	EP 1452526	A1	20040901	EP 2002-777995	20021029
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	US 20050054696	A1	20050310	US 2004-493853	20041021
PRAI	JP 2001-331501	A	20011029		
	WO 2002-JP11234	W	20021029		

OS MARPAT 138:368761
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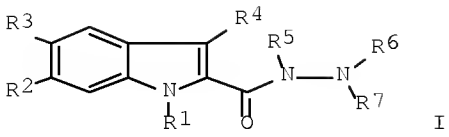

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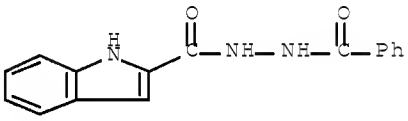
AB The title compds. I [R1 = H, alkyl, etc.; R2 = H, halo; R3 = halo, alkyl, etc.; R4 = H, alkyl; R5 = H, alkyl, alkoxycarbonyl; R6 = H, alkyl, etc.; R7 = C(:X)AB; X = O, etc.; A = NR8, etc.; R8 = H, alkyl, etc.; B = (un)substituted Ph, etc.] are prepared I are useful in the treatment of diabetes. Compds. of this invention in vitro showed IC50 values of 0.010 μM to > 0.1 μM against human liver glycogen phosphorylase a.

IT 37574-79-1P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of indole derivs. as inhibitors of human liver glycogen phosphorylase a)

RN 37574-79-1 CAPLUS

CN 1H-Indole-2-carboxylic acid, 2-benzoylhydrazide (CA INDEX NAME)



OSC.G 13 THERE ARE 13 CAPLUS RECORDS THAT CITE THIS RECORD (18 CITINGS)

RE.CNT 71 THERE ARE 71 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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